SHARP

MX-M1204/MX-M1054/MX-M904
SALES GUIDE

40th ANNIVERSARY SHARP DOCUMENT BUSINESS 1972 - 2012

HIGH PERFORMANCE
SRA3 BLACK & WHITE
PRODUCTION MFP

We understand productivity /This is Why we're proud to put our name to these versatile high performance MFPs

Introduction

The MX-M1204 / MX-M1054 / MX-M904 are well positioned for demanding production environments that require fast processing and professional finishing. These 1,200 x 1,200 dpi black and white MFPs are capable of printing at high speeds of 120 ppm, 105 ppm and 90 ppm respectively. They have a fast 120 opm scan speed and a 250-sheet Duplex Single Pass Feeder as standard. Suited for long print runs they can produce a variety of professional materials ranging from brochures, direct marketing materials to user manuals and folded collaterals for envelope insertion or for inserting heavier weight covers.

High volume paper output is also available when the various output options are installed with either a high volume capacity finisher or a saddle stitch finisher each supporting up to 4,000 sheets. High volume paper capacity also means that once a job has started, a maximum of 13,500 sheets can be copied or printed without the need to refill the paper. The toner cartridge can even be changed whilst the machine is running, resulting in even greater productivity.

The MX-M1204 / MX-M1054 / MX-M904 have a large multi-angle tilt structure 10.1" LCD panel with cutting-edge functionality which gives customers more visibility and improved ease of use. The panel has no hard keys, other than power, power save and home buttons. Its intuitive design with flick and tap touch functionality makes it very easy to use and offers wider flexibility. Users can customise the home screen to their own preference and the large screen makes it easier to read text and access applications. A retractable QWERTY keyboard, which makes data entry quick and easy, is available as an optional extra.

In addition to these specific features, the colour scanning, network printing, document filing and data security functions will meet the needs of any document production environment. The MX-M1204 / MX-M1054 / MX-M904 are also Energy Star certified.

The optional web browsing expansion kit enables the user to browse the Internet directly from the MFP panel and print web content. Furthermore, the latest version of Sharp OSA (Open Systems Architecture) offers enhanced integration by enabling connection to server applications outside of the firewall.

In summary, the MX-M1204 / MX-M1054 / MX-M904 are well placed to become market leaders in the high speed, black and white market offering high reliability, productivity and ease-of use.

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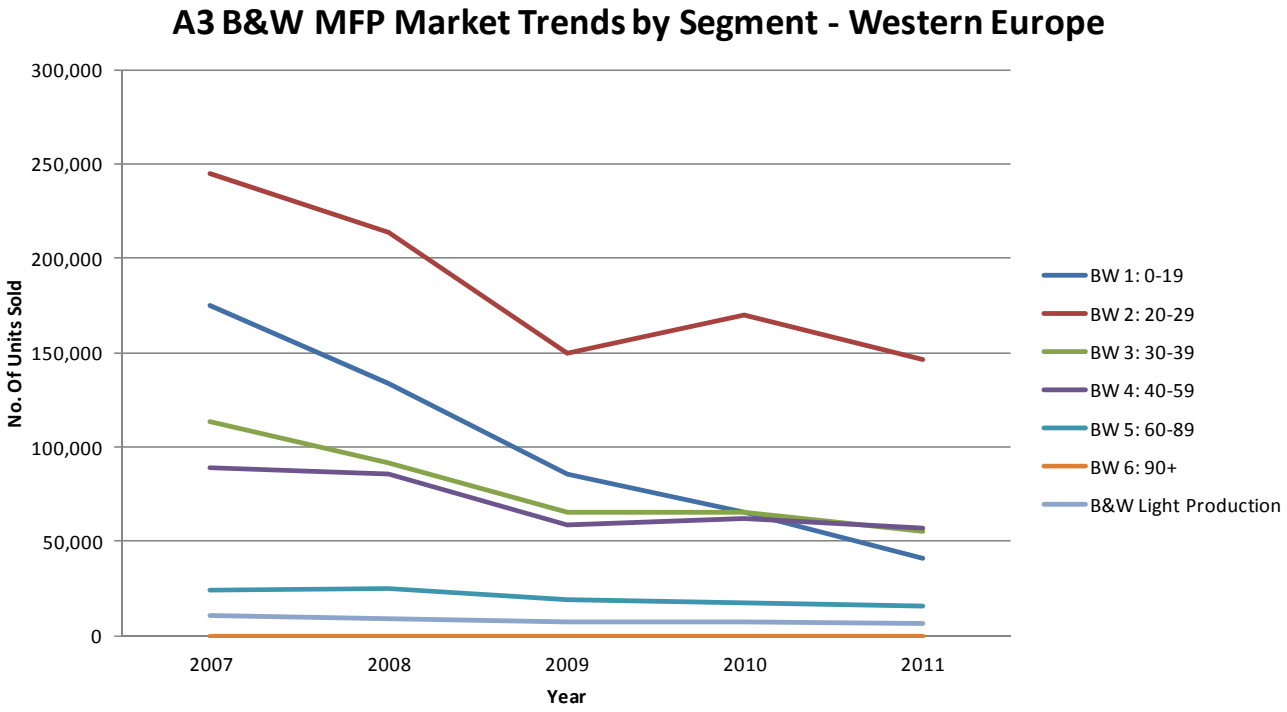
Market Analysis

Firstly, it's very important to understand that the high-end Office market & Entry Level Production markets (or Light Production) for both B&W and Colour devices are quite complex.

Many manufacturers have their own opinions of what constitutes a Departmental Office product and what constitutes to being a Light Production product. Some manufacturers choose to attack both markets with the same engine, whilst others choose to attack each market with a different engine.

To help your understanding, let's start by taking a general overview of the B&W market first before we start to break down the upper segments where the MX-M1204, MX-M1054 and MX-M904 are targeted.



As you can see in the chart above, the A3 B&W market (including the Light Production segment) is in decline mainly through the ongoing popularity of colour products and ongoing forecasts predict this trend to continue albeit at a slower rate than in the last 4-5 years. Ultimately, it is predicted that the B&W market decline will hit a level where they plateau as the customer demand for B&W only products is not expected to disappear altogether at this stage.

Of all the segments in the B&W market, the very high-end segments and Light Production areas are showing the slowest amounts of decline, which is why the new MX-M1204, MX-M1054 and MX-M904 are still important products for Sharp in the B&W market place.

■ Target Market

To help understand how some of Sharp's competitors position their own models vs. Sharp products, the table below gives you some indication of how the market is made up and although this is often a matter of opinion, this best reflects Sharp's view of the competitive landscape.

Brand	Large Workgroup	Departmental	Light-Mid Production
Canon	**Canon imageRUNNER ADVANCE 4051i**	**Canon imageRUNNER ADVANCE 6055/i** **Canon imageRUNNER ADVANCE 6065/i** **Canon imageRUNNER ADVANCE 6075/i**	**Canon imageRUNNER ADVANCE 8085 PRO** **Canon imageRUNNER ADVANCE 8095 PRO** **Canon imageRUNNER ADVANCE 8105 PRO** **Canon imagePRESS 1110** **Canon imagePRESS 1125** **Canon imagePRESS 1135**
Konica Minolta	**bizhub 501** **bizhub 552**	**bizhub 552** **bizhub 601** **bizhub 652** **bizhub 751**	bizhub PRO 950 **bizhub PRO 951** bizhub PRO 1051 **bizhub PRO 1052** bizhub PRO 1200 **bizhub PRO 1250**
Kyocera Mita	**TASKalfa 520i** **TASKalfa 5500i**	**TASKalfa 6500i** **TASKalfa 8000i**	
Oce			**Oce VarioPrint DP 110** **Oce VarioPrint DP 120** **Oce VarioPrint DP 135**
Ricoh	Aficio MP 5000AD Aficio MP 5000SP **Aficio MP 5002AD** **Aficio MP 5002SP**	**Aficio MP 6001/SP** **Aficio MP 7001/SP** **Aficio MP 8001/SP** **Aficio MP 9001/SP**	**PRO 907EX** **PRO 1107EX** **PRO 1357EX**
Sharp	**MX-M503N** **MX-M502N** **MX-M503U**	**MX-M623U** **MX-M753U** MX-M850 'Office' **MX-M904 'Office'**	MX-M850 MX-M950 MX-M1100 **MX-M904** **MX-M1054** **MX-M1204**
Toshiba	**e-Studio 506SE**	e-Studio 555 **e-Studio 556SE** e-Studio 655 **e-Studio 656SE** e-Studio 755 **e-Studio 756SE** e-Studio 855 **e-Studio 856SE**	
Xerox	**WorkCentre 5755**	**WorkCentre 5765** **WorkCentre 5775** **WorkCentre 5790**	4112* 4127* 4595 **D95*** **D110** **D125**

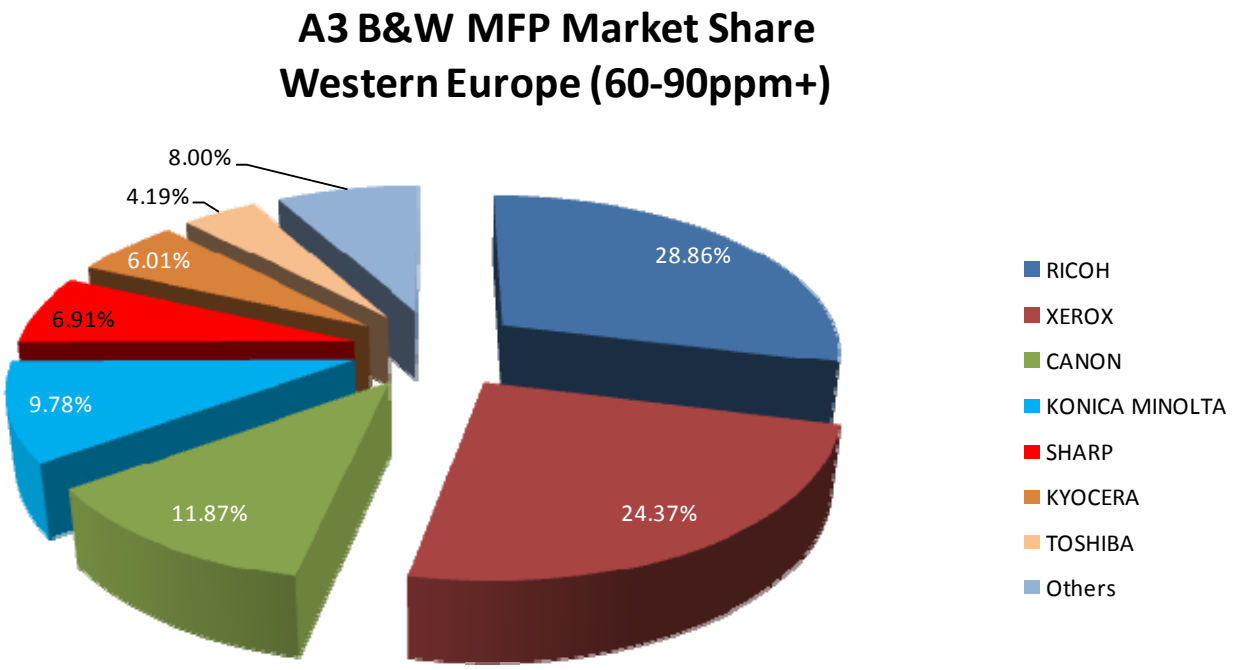
*Although sold via Office channels in Europe, these Xerox models are still considered Light Production products based on their positioning in the market, e.g. specification and price.

It's also important to note that whilst we have attempted to categorise the MX-M1204, MX-M1054 and MX-M904 from a target market perspective, these models will still hold advantages & in some instances a price premium over certain models within the same category due to the more advanced features that are available.

Based on the previous table we will now look at market share figures for the Departmental & Light Production categories based on InfoSource data for FY 2011.

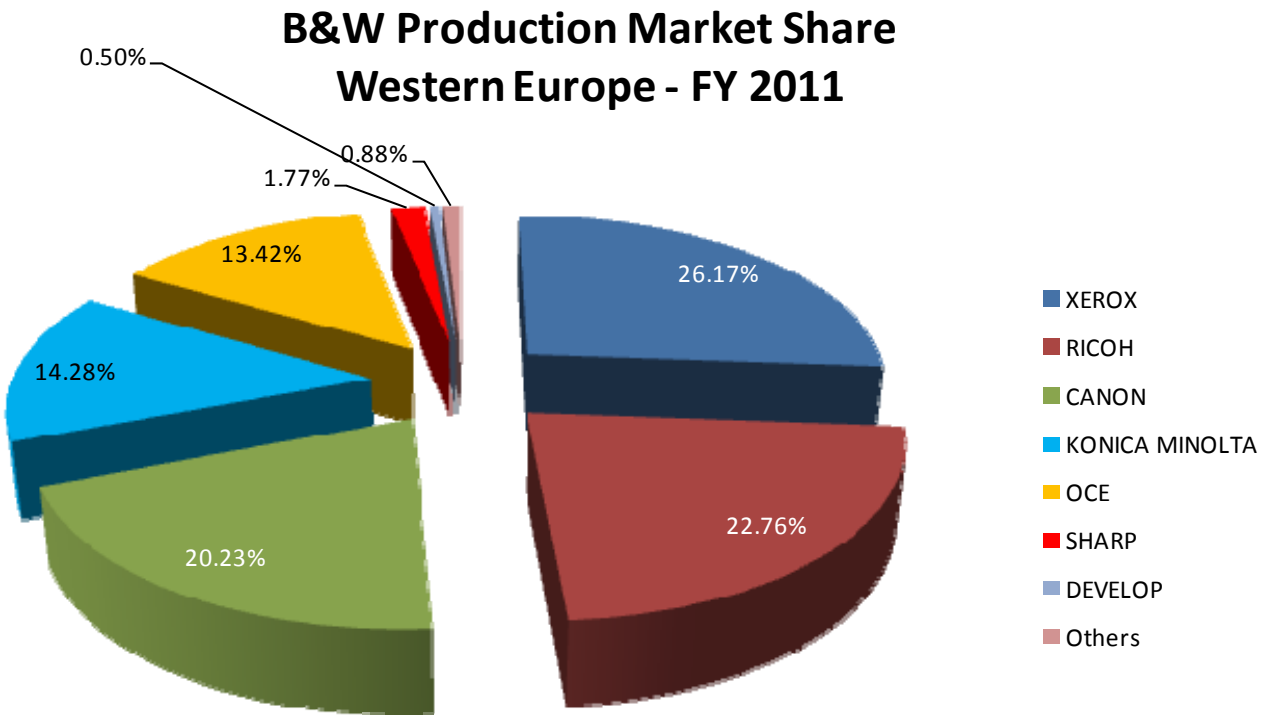
■ Market Share

Departmental Products



Sharp has a good presence in the Departmental segment at the present time and is currently ranked in 5th place ahead of Kyocera and Toshiba. This is down to the success of the MX-M623U, MX-M753U and the MX-M850. Ricoh are market leader in this segment with 28.9% share closely followed by Xerox on 24.4%. Canon is ranked 3rd with 11.9% and Konica Minolta is 4th with 9.8% share of this segment.

Entry-Level / Light Production



The Light Production class of products is led by Xerox with 26.2% share. They have long been a strong player in the Production market for both B&W and Colour products; however, severe pressure from other manufacturers in recent times has severely impacted their overall position in the market.

Ricoh comes in 2nd with 22.8% market share followed by Canon on 20.2% and then Konica Minolta on 14.3% market share. Oce is 5th with 13.4% and Sharp are 6th with 1.8% share. This is driven by sales of the MX-M950 and MX-M1100 and Sharp hopes to significantly increase this share with the launch of the MX-M1054 and MX-M1204 into the same segment.

Top Models

Departmental Products

Brand	Model	Manufacturer	Units	Share	Rank
XEROX	WorkCentre 5775	XEROX	2,831	17.36%	1
RICOH	Aficio MP 6001 SP	RICOH	2,617	16.04%	2
CANON	iR Advance 6065i	CANON	907	5.56%	3
RICOH	Aficio MP 7001 SP	RICOH	865	5.30%	4
RICOH	Aficio MP 8001 SP	RICOH	783	4.80%	5
KONICA MINOLTA	bizhub 601	KONICA MINOLTA	753	4.62%	6
XEROX	WorkCentre 5765	XEROX	687	4.21%	7
CANON	iR Advance 6075i	CANON	659	4.04%	8
SHARP	MX-M 623 U	SHARP	605	3.71%	9
KONICA MINOLTA	bizhub 751	KONICA MINOLTA	467	2.86%	10
KONICA MINOLTA	bizhub 652	KONICA MINOLTA	376	2.31%	11
SHARP	MX-M 753 U	SHARP	324	1.99%	12
KYOCERA	TASKalfa 6500 i	KYOCERA	299	1.83%	13
KYOCERA	TASKalfa 8000 i	KYOCERA	275	1.69%	14
XEROX	WorkCentre 5790	XEROX	265	1.62%	15
		Others	3599	22.06%	
		Total	16,312	100.00%	

In the departmental category, the MX-M623U and MX-M753U come in 9th and 12th place respectively. The MX-M850 comes in 22nd place with 1.14% share of this segment. The launch of the MX-M904 is set to see Sharp improve on its current combined market share of 6.9% in this segment.

The category leading product for office B&W departmental products is the Xerox WorkCentre 5775 followed by the Ricoh Aficio MP 6001SP.

Entry-Level / Light Production

Brand	Model	Manufacturer	Units	Share	Rank
RICOH	Pro 907 EX	RICOH	590	8.60%	1
XEROX	4112 Copier/Printer	FUJI-XEROX	580	8.50%	2
KONICA MINOLTA	bizhub PRO 950	KONICA MINOLTA	477	7.00%	3
CANON	iR Advance 8085	CANON	442	6.50%	4
RICOH	Pro 1107 EX	RICOH	430	6.30%	5
CANON	iR Advance 8105 PRO	CANON	404	5.90%	6
KONICA MINOLTA	bizhub PRO 1051	KONICA MINOLTA	357	5.20%	7
CANON	iR Advance 8095 PRO	CANON	352	5.20%	8
RICOH	Aficio MP 9001 SP	RICOH	254	3.70%	9
OCE	VarioPrint 2070	OCE	213	3.10%	10
XEROX	4127 Copier/Printer	FUJI-XEROX	196	2.90%	11
XEROX	4595 Copier	FUJI-XEROX	194	2.80%	12
RICOH	Pro 1357 EX	RICOH	185	2.70%	13
OCE	VarioPrint 4110	OCE	158	2.30%	14
XEROX	4112 EPS	FUJI-XEROX	121	1.80%	15
		Others	1875	1.80%	
		Total	6828	1.80%	

The Light-Mid Production class leading products are the Ricoh PRO 907EX and Xerox 4112 Copier/Printer. Following these is the Konica Minolta bizhub PRO 950, Canon iR ADVANCE 8085 and in 5th place is the Ricoh PRO 1107EX.
The Sharp MX-M950 and MX-M1100 are 27th & 28th respectively with a combined market share of 1.8%. The launch of the new MX-M1054 and MX-M1204 is set to see Sharp increase its market share quite substantially in this category.

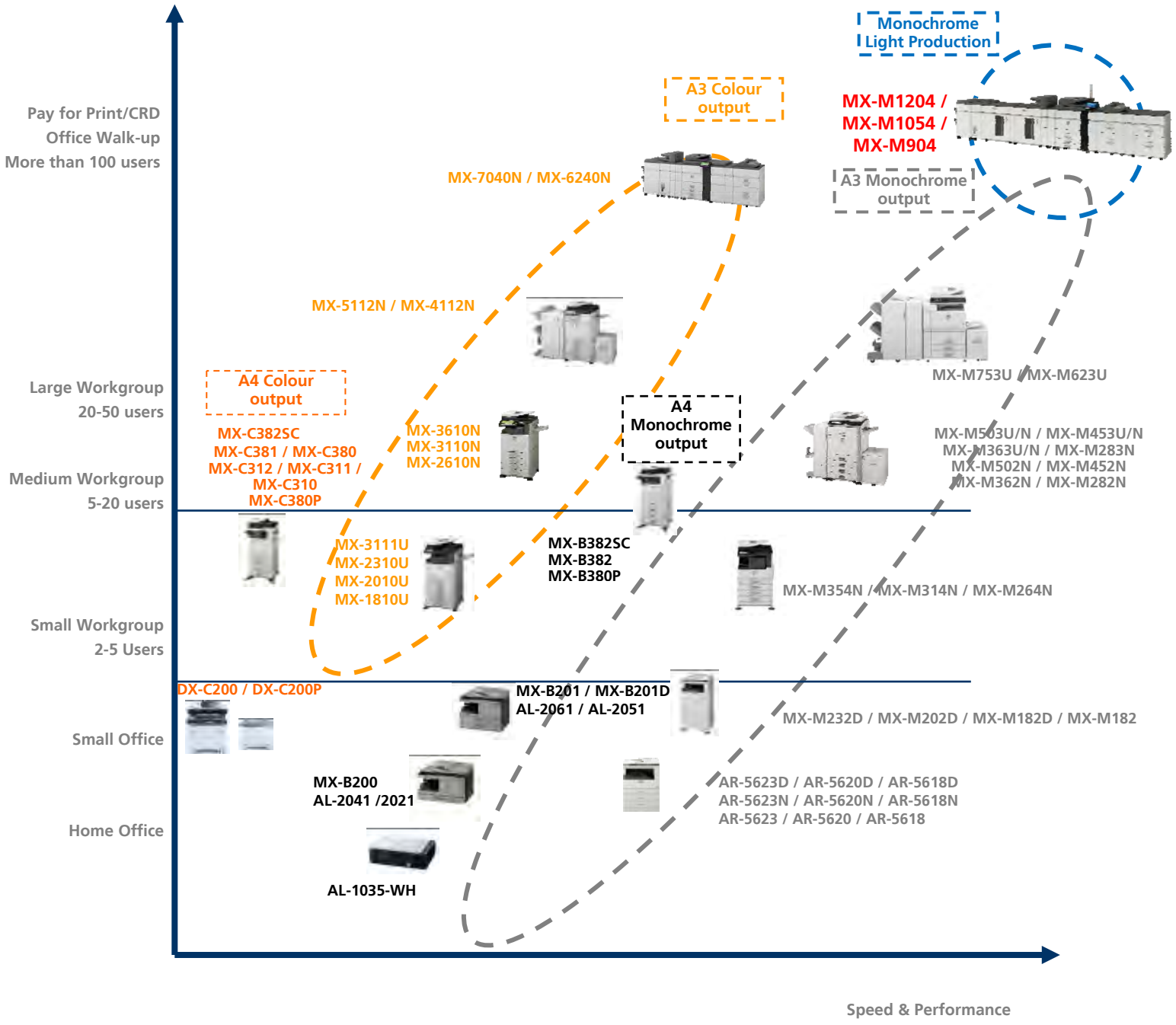
Summary

Sharp is performing well in the Light Production & Departmental categories thanks to the existing MX-M1100, MX-M950 and MX-M850 products. The new MX-M1204, MX-M1054 and MX-M904 are even more advanced products and are set to take market share from competitors from the outset with a combination of features and reliability.

N.B. Although B&W is a declining market, the service & consumables revenues associated with high page volumes in these categories means they remain very important products to both Sharp and its dealer channels.

Later on in this sales guide we will start to compare the MX-M1204, MX-M1054 and MX-M904 with some of the key competitive products in the Light Production & Departmental categories to highlight some of the feature benefits of these products. This will help you to determine the exact strengths and weaknesses of any given product against the new Sharp offerings.

Product Positioning



■ Recommended MCV

Speed	Model	Life	Maximum Monthly Volume
Black & White: 120 ppm	**MX-M1204**	24,000k or 5 years	500k
Black & White: 105 ppm	**MX-M1054**		
Black & White: 90 ppm	**MX-M904**		

Machine Life

The Machine Life represents the product design life for a machine that has used genuine Sharp supplies and has been serviced at the preventative maintenance schedule by fully experienced technicians. It is intended for planning purposes only due to the influence on the life of the product by external sources such as environment, customer handling, copy/print media used and geographical location.

Maximum Monthly Volume

The Maximum Monthly Volume indicates the greatest volume the copier/printer can handle, when work patterns demand. Continual copying/printing at the maximum level can result in reduced performance and a shorter overall life.

Product Overview

Highly Productive Printing & Copying
at 120 / 105 / 90 ppm/cpm in monochrome

New User Interface
10.1" Touch-Screen Colour LCD
Offers multi-angle tilt structure

Standard DSPF

Web Browsing (Option)
access to Internet from MFP panel

Full Colour Network Scanning
with increased scan performance

Sharp OSA 4.0 (Option)
Connection to Sharp OSA applications outside the firewall

Enhanced Image Quality

Remote Access Front Panel

Multi-layered Security Solutions
including new data protection features

Document Filing

Environmentally Friendly
Reduced TEC value, lower warm up time, enhanced Auto Power Shut off mode, Eco mode

Optional multi folding unit

Flexible Paper Capacity with easy-grip drawer handles
3,100 – 13,500 sheets

Various Finishing Options
Incl. Saddle Stitch Finisher (50/100 staple), Finisher (50/100 staple)
* Staple Finisher (MX-FN24 and MX-FN25) for MX-M904 only.

Key Selling Points

■ Productivity

■ Copy/Print/Scan Speed

The engine speed on the MX-M1204 / MX-M1054 / MX-M904 is 120/105/90 cpm/ppm.

Copying

When performing 1-sided copy through the DSPF, the machine can read at speeds of up to 120 opm for all models. This is the same speed as that of MX-M1100 and MX-M950 and up to 41% faster than that of MX-M850.

When performing 2-sided copy through the DSPF, the machine can read at speeds of up to 200 opm for all models. This is 67% faster than that of MX-M1100 and MX-M950 and 135% faster than that of the MX-M850.

Note: This is the reading speed through the DSPF. The actual copy speed is 120/105/90 cpm.

Scanning

When performing 1-sided scanning through the DSPF, the machine can read at speeds of up to 120 opm for B/W and colour. As for monochrome, this is the same speed as the MX-M1100 and MX-M950 and up to 41% faster than the MX-M850. As for colour, this is 100% faster than the MX-M1100 and MX-M950 and this is 200% faster the MX-M850.

When performing 2-sided scanning through the DSPF, the machine can read at speeds of up to 200 opm for B/W and colour. As for monochrome, this is 67% faster than that of MX-M1100 and MX-M950 and 135% faster than that of MX-M850. As for colour, this is 233% faster than that of MX-M1100 and MX-M950 and this is 400% faster than that of MX-M850.

■ First Copy Time

The first copy out time is just 4.0 seconds for MX-M904 and 3.2 seconds for MX-M1204 and MX-M1054. Combined with a warm up time of 210 seconds on the MX-M1204 / MX-M1054 / MX-M904, it's evident that everything has been designed with efficiency in mind.

Note: Best achieved time based on A4 copy, long edge feeding from 1st paper drawer, using document glass, when machine is ready. May vary depending on machine conditions and operating environment.

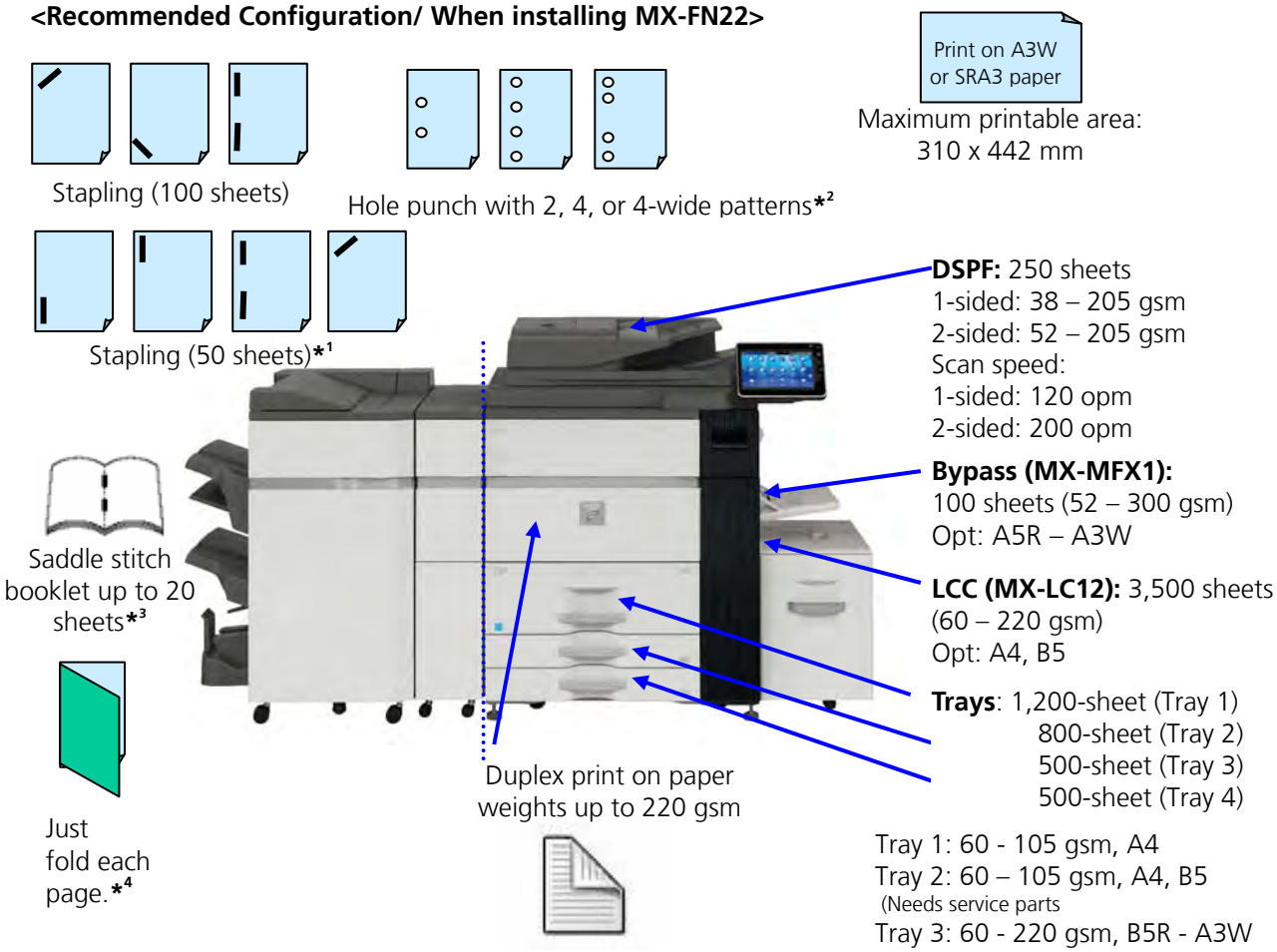
■ High Volume Paper Capacity/ Flexible Paper Handling

The MX-M1204 / MX-M1054 / MX-M904 have a variety of paper input drawers.

The standard paper capacity is 3,100 sheets (1,200-sheet for Tray 1, 800-sheet for Tray 2, 500-sheet for Tray 3 and 500-sheet for Tray 4 + 100-sheet for optional MX-MFX1).

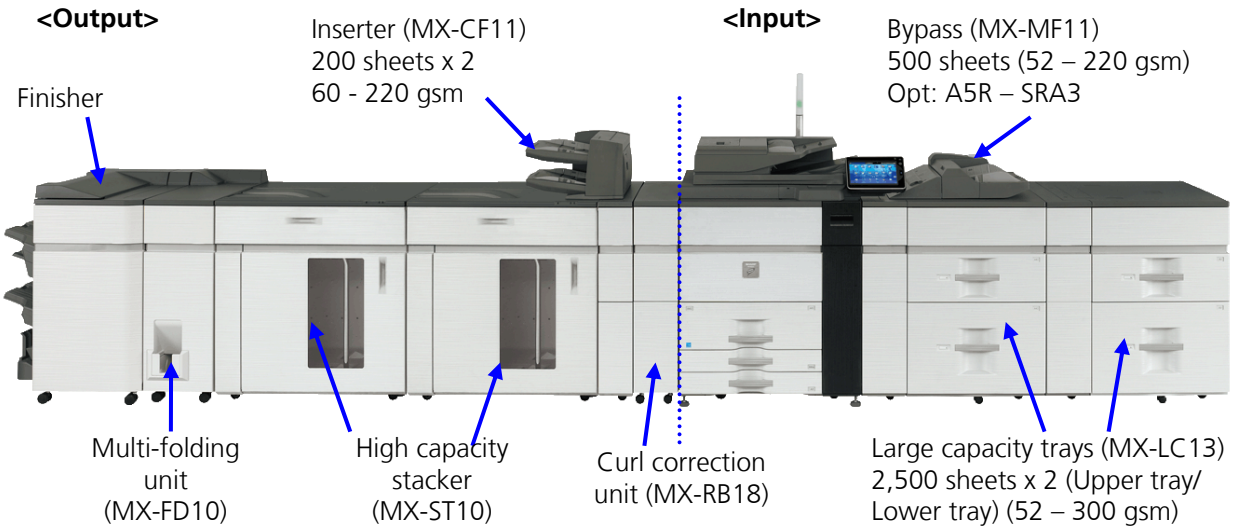
The maximum paper capacity is 13,500 sheets (1,200-sheet for Tray 1, 800-sheet for Tray 2, 500-sheet for Tray 3 and 500-sheet for Tray 4 plus 2,500-sheet x 2 (x 2 for MX-LC13) + 500-sheet for MX-MF11. This capacity enables a large number of print/copy jobs to be executed without interruption. The MX-M1204 / MX-M1054 / MX-M904 support up to 300 gsm heavy paper not only from bypass (MX-MFX1) but also from large capacity trays (MX-LC13). This enables various types of papers to be used in the office.

<Recommended Configuration/ When installing MX-FN22>


Print on A3W or SRA3 paper
Maximum printable area: 310 x 442 mm
Stapling (100 sheets)
Hole punch with 2, 4, or 4-wide patterns*2
Stapling (50 sheets)*1
Saddle stitch booklet up to 20 sheets*3
Just fold each page.*4
Duplex print on paper weights up to 220 gsm
DSPF: 250 sheets
1-sided: 38 – 205 gsm
2-sided: 52 – 205 gsm
Scan speed:
1-sided: 120 opm
2-sided: 200 opm
Bypass (MX-MFX1):
100 sheets (52 – 300 gsm)
Opt: A5R – A3W
LCC (MX-LC12): 3,500 sheets
(60 – 220 gsm)
Opt: A4, B5
Trays: 1,200-sheet (Tray 1)
800-sheet (Tray 2)
500-sheet (Tray 3)
500-sheet (Tray 4)
Tray 1: 60 - 105 gsm, A4
Tray 2: 60 – 105 gsm, A4, B5
(Needs service parts
Tray 3: 60 - 220 gsm, B5R - A3W
Tray 4: 60 - 220 gsm, A5R - A3W
Total Min: 3,100 sheets
Total Max: 13,500 sheets

*1: MX-FN24/25 can staple up to 50 sheets. MX-FN24/25 is exclusive for the MX-M904.
*2: Punch module for MX-FN21/22 can punch 52- 256 gsm paper. Punch module for MX-FN24/25 can punch 52 – 176 gsm paper. When punching 129 - 256 gsm paper, the hole may not be a perfect circle.
*3: MX-FN22 can fold up to 20 sheets. MX-FN25 can fold up to 15 sheets. MX-FN25 is exclusive for the MX-M904.
*4: It is possible to fold a single sheet of paper without stapling. This is particularly useful for leaflets, and for areas where postage costs are determined by package size.

<Maximum Configuration>


<Output>
Finisher
Inserter (MX-CF11)
200 sheets x 2
60 - 220 gsm
<Input>
Bypass (MX-MF11)
500 sheets (52 – 220 gsm)
Opt: A5R – SRA3
Multi-folding unit (MX-FD10)
High capacity stacker (MX-ST10)
Curl correction unit (MX-RB18)
Large capacity trays (MX-LC13)
2,500 sheets x 2 (Upper tray/ Lower tray) (52 – 300 gsm)

More and more offices are choosing to create as many documents as possible in-house. Adopting various options enables the MX-M1204 / MX-M1054 / MX-M904 to be able to produce a wide variety of documents in different formats and styles.

<Input Options>

Two Large Capacity Trays (MX-LC13)

MX-M1204 / MX-M1054 / MX-M904 can connect with two large capacity trays (MX-LC13) as the above shows. When users want to connect two large capacity trays, the Connection Module (MX-RB17) is required between two MX-LC13's. The Paper Pass Unit (MX-RB16) is also required between the main machine and MX-LC13. Each MX-LC13 needs to have separate power supplied.

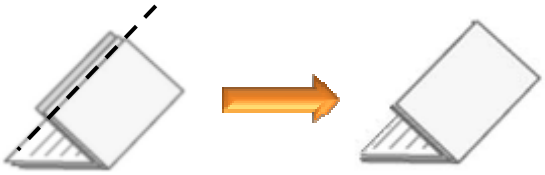
<Output Options>

Finishing Options

The MX-M1204 / MX-M1054 / MX-M904 have four optional finishers.

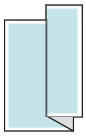
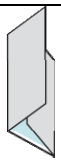
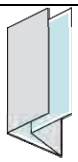
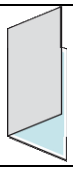
	MX-FN24 **(For MX-M904 only)** Finisher 50-sheet staple	**MX-FN25** **(For MX-M904 only)** Saddle finisher 50-sheet staple	**MX-FN21** Finisher 100-sheet staple	**MX-FN22** Saddle finisher 100-sheet staple
Max Output capacity (A4)	3,000 sheets (offset tray) 250 sheets (top tray) **TTL: 3,250 sheets**	2,000 sheets (offset tray) 250 sheets (top tray) **TTL: 2,250 sheets**	1,500 sheets (upper tray) 250 sheets (middle tray) 2,500 sheets (lower tray) 100 sheets (exit tray) **TTL: 4,350 sheets**	1,500 sheets (upper tray) 250 sheets (middle tray) 2,500 sheets (lower tray) 100 sheets (exit tray) **TTL: 4, 350 sheets**
Staple capacity	50 sheets (A4) 30 sheets (A3)	50 sheets (A4) 30 sheets (A3)	100 sheets (A4) 50 sheets (A3)	100 sheets (A4) 50 sheets (A3)
Saddle Stitch capacity	N/A	15 sheets	N/A	20 sheets
Saddle Fold	N/A	A3W, A3, B4, A4R, B5R: 1 set	N/A	A3W, A3, B4, A4R, SRA3 Plain paper: 5 sets Coated paper: 3 sets
Hole Punching	Opt (MX-PNX4A/C/D)	Opt (MX-PNX4A/C/D)	Opt (MX-PN13A/C/D)	Opt (MX-PN13A/C/D)
Other Features	N/A	N/A	N/A	Inline Trimming is available. (MX-TM10 is required)

Inline trimming image is shown as follows. Users can prepare the pamphlet styled-document by setting the trimming width from 2.0 mm to 20.0 mm (in 0.1 mm increments).



Multi-Folding Unit – MX-FD10

In addition to saddle fold (bi-folding) or pamphlet style document, users can prepare various types of documents on the MX-M1204 / MX-M1054 / MX-M904 by installing the optional folding unit (MX-FD10).

					
Folding Mode	Z fold	C fold	Accordion fold	Double fold	Half fold
Paper type (55 - 105 gsm)	Thin paper, Plain paper, Recycled paper, Colour paper, Letter head, Pre-printed paper, Pre-punched paper	Thin paper, Plain paper, Recycled paper, Colour paper, Letter head, Pre-printed paper Pre-punched paper			
Paper size	A3, B4, A4R	A4R			
Tray capacity	A3/B4: 70 sheets A4R: 30 sheets	Stacked up to 60 mm (equivalent to 40 sheets)		Stacked up to 60 mm (equivalent to 25 sheets)	30 sheets
Output place					

Inserter – MX-CF11

By installing the optional inserter (MX-CF11), users can insert coloured paper and/or pre-printed paper automatically. Up to two kinds of paper can be set into the Inserter. They can bind various types of documents such as brochures or proposals.

Stacker and Paper Cart – MX-ST10 and MX-CA10

These options can efficiently support workflow that needs post process. If users connect two stackers onto the MX-M1204 / MX-M1054 / MX-M904, they can stack a job up to 10,000 sheets continuously. They can stack a job on one side of the stacker and easily move and/or unload the other side of the stacker without stopping the process. If users print two types of jobs, they can stack each job to the stacker respectively. A paper cart (MX-CA10) can be used to move the finished document to another place easily, such as near-line or offline finishing process.

<Other Options>

Status Indicator – MX-SL10

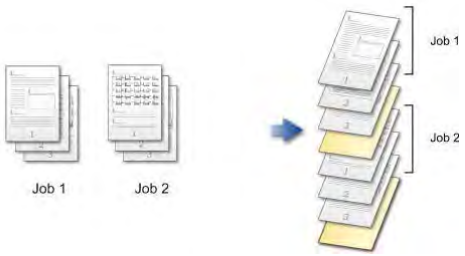
MX-M1204 / MX-M1054 / MX-M904 are designed to copy / print large amounts of data and therefore there is no need for an operator to stay beside the MFP. With this in mind, the status indicator (MX-SL10) can easily be seen from a distance and should an error occur, the indicator will light up red (or blink), visually alerting the operator.

■ Upgraded/ New Features and Functions

Copy / Print

Insert Separator (New!)

Users can insert separator pages for every specified number of copies or for every job before they are output. This improves 'sort' jobs when delivering copies, or prevents paper mixing.



Note: A finisher, saddle finisher or high capacity stacker is required to use the Separator Page function.

Covers/ Inserts (Upgraded!)

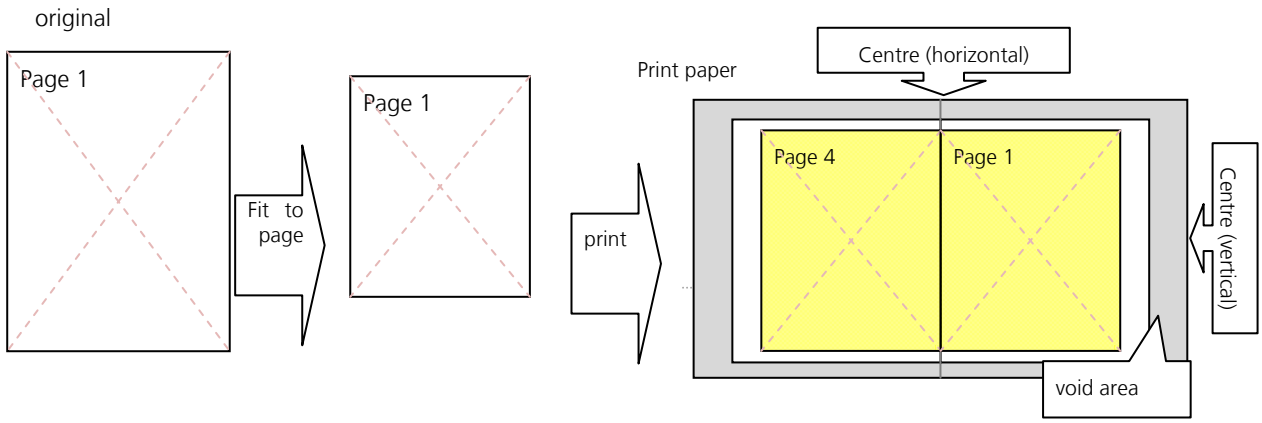
Compared to MX-M1100 / MX-M950 / MX-M850, this feature is has been upgraded. The upgraded points are as follows:

1. Up to 11 types of insert sheets can be inserted
2. It is able to combine with Z-folding
3. Covers or inserts can be continuously inserted
4. Insertion just before back cover is supported

Print

Pamphlet Style – Full Image Pamphlet (Same as MX-7040N / MX-6240N)

Sharp MFPs produce various pamphlet styles, ie, Tiled Pamphlet, 2-Up Pamphlet, Multiple Tiled Pamphlet, and Multiple 2-Up Pamphlet. In addition, the MX-M1204/ MX-M1054 / MX-M904 can produce Full Image Pamphlet. If users select existing four pamphlet styles, the paper to print data is twice as large as the paper size specified in the application such as Word or Excel, and the data is automatically 'fit' into the paper size. On the other hand, if users select Full Image Pamphlet, they can choose the "Fit to Page Print" setting. Then, they can choose the paper size larger than the size that they choose at the "Fit to Page Print" setting. Therefore, users don't need to consider the margin setting. This feature can only be used on PCL6.



■ Image Quality

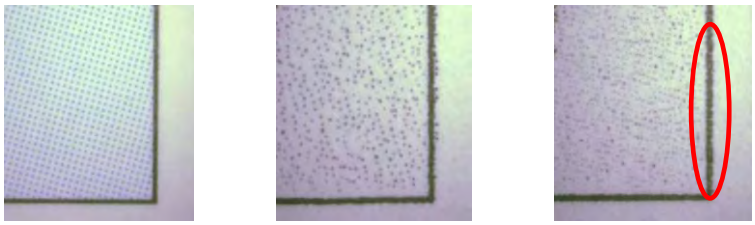
High Resolution Printing/ Copying

The higher the print resolution (dpi) or the finer printed dots become, the better the print quality. The more refined the image, the more impressive the final document will look.

■ **Copy** (Same as MX-M753U/ MX-M623U)

Upgraded Error Diffusion Process

MX-M1204 / MX-M1054 / MX-M904 can provide finer and smoother texts and/or fine lines than those produced by MX-M1100 / MX-M950 / MX-M850 even at 600 dpi.



Reduces the jagged edges and improves fine line reproduction.

Original Chart

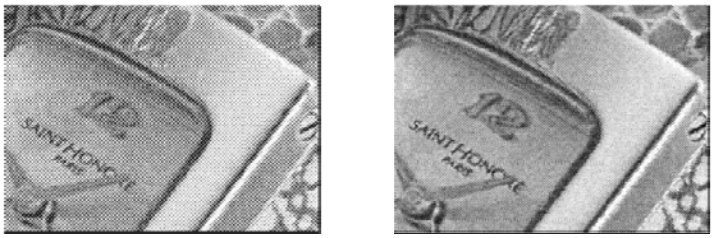
MX-M1100/ M950/M850

MX-M1204/ M1054/M904

■ **Print (New!)**

New Print Mode

A print mode of higher quality (600 dpi, 4 bit) is available in addition to the normal (600 dpi, 1bit) and fine (1,200 dpi). This mode enhances the photo image quality when users print photos.



Compared to normal mode, the higher quality mode provides finer dots and smoother gradation.

Normal mode (600 dpi, 1bit)

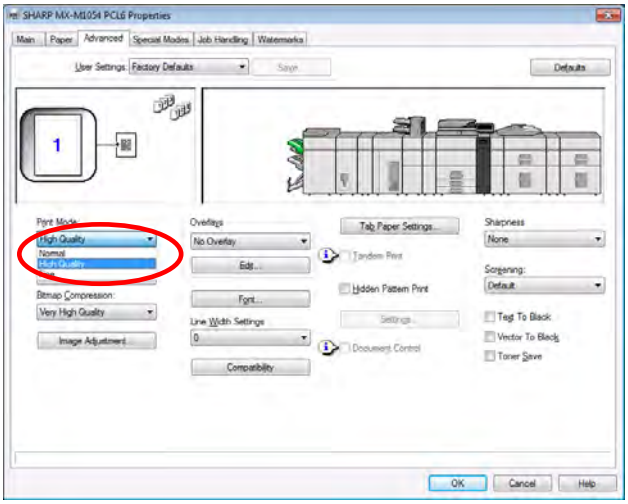
High Quality (600 dpi, 4bit)

Screen Setting (New!)

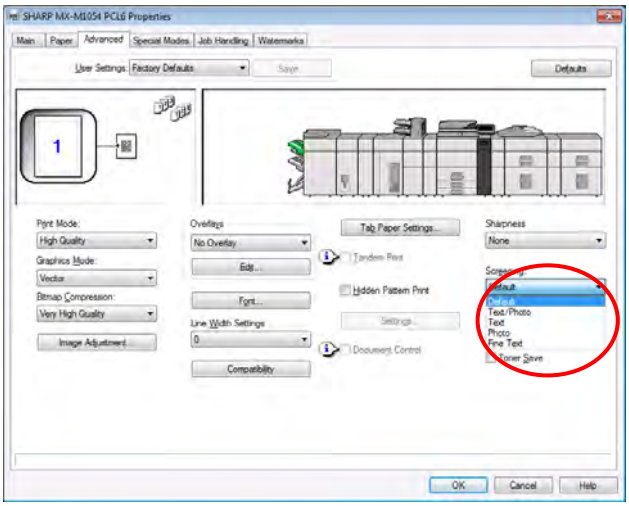
To enhance image quality, especially for documents that include both photo and text, the MX-M1204 / MX-M1054 / MX-M904 can automatically analyse the contents of each page, distinguishing three different segments according to significant elements, text, photo and graphic; and adjusts the number of lines accordingly (Default mode).

A low number of lines (Low screen) is suitable to display gradational or granular images, a high number of lines (High screen) is suitable to reproduce text and/or fine lines and to reduce jagged edges. A very high number of lines (Super high screen) are more suitable to reproduce fine lines and small texts. In addition to the default mode, users can manually select the following four modes, text/photo, text, photo, and fine text, depending on the original users will print.

Note: This mode can be used only when users choose high quality or fine on the print mode. In the case of normal mode, low screen mode is applied to all area including text, graphic, and photo same as MX-M1100 / MX-M950 / MX-M850.



Print Mode



Screening

Low number of lines
(Low screen)

Higher number of lines
(High screen)

Very higher number of lines
(S.High screen)

MX-M1100 / MX-M950 / MX-M850

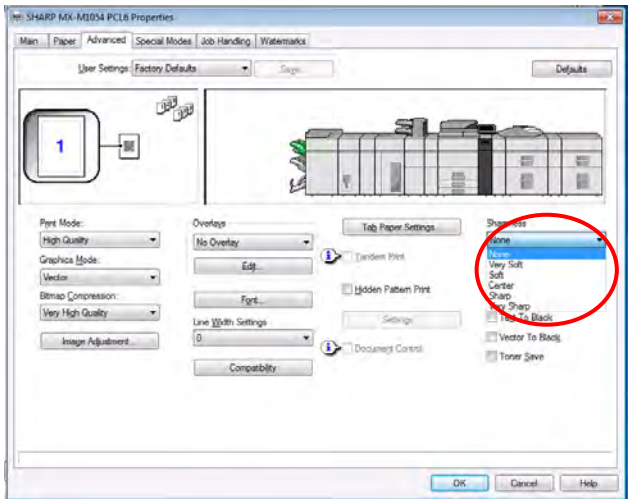
	TEXT	GRAPHIC	PHOTO
No Screen Switching	Low	Low	Low

MX-M1204 / MX-M1054 / MX-M954

	TEXT	GRAPHIC	PHOTO
Standard	High	Low	Low
Text / Photo	High	High	Low
Text	High	High	High
Photo	Low	Low	Low
Fine Text	Super High	Super High	Super High

Sharpness

Users can choose Sharpness from 5 values. When users choose "Very Soft" or "Soft" mode, moiré can be reduced. They can use those modes when there is concern about moiré at the time of printing a scanned image. When they choose "Sharp" or "Very Sharp", texts on the original are clearly reproduced. They can use those modes when they want to clearly display the outline or texts in digital photo.



Note: This mode can be used only when users choose high quality or fine on the print mode.

Very soft **Soft** **Centre** **Sharp** **Very Sharp**

■ Copy/ Print

Stability- Halftone Process Control (New!)

Users who require to copy/print large number of sheets also expect stable image quality from the 1st page to the last page. Usually, MFPs have process control to enhance the stability and accuracy of each gradation.

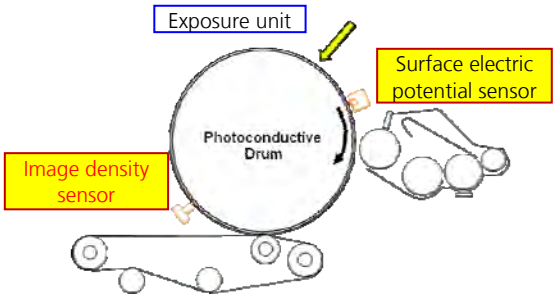
The MX-M1204 / MX-M1054 / MX-M904 control halftone adjustment by two types of sensors:

The surface electric potential sensor monitors test patches of latent image generated on the drum surface. The surface electric potential sensor has already been used on previous models, MX-M1100 / MX-M950 / MX-M850. The image quality depends on the amount of toner on the drum, so it is necessary to keep the appropriate value. The surface electric potential sensor measures the charged state by outputting various densities of some patches. Then, the MX-M1204 / MX-M1054 / MX-M904 adjust the engine appropriate to the environment and life.

In addition, the MX-M1204 / MX-M1054 / MX-M904 are incorporated with halftone process control. In this mode, the image density sensor automatically monitors several halftone patterns of developed images generated on the drum surface and the MFP makes necessary adjustment to the provided optimum exposure level and gradation according to the machine status and surrounding environments.

Note: Even if patches are added, the image adjustment time is almost the same as previous models because of the speed-up of drum rotation speed and change of patch layout.

Halftone Process Control Process Layout



■ Push Scan

Enhanced Background Suppression (Same as MX-7040N / MX-6420N)

One of the Auto Colour mode functions is automatic background suppression. In the case of previous models, MX-M1100 / MX-M950 / MX-M850, the background colour was more suppressed, therefore, the colour balance was imbalanced. The MX-M1204 / MX-M1054 / MX-M904 can suppress the background without losing the colour balance i.e. ratio of RGB. This decreases the change of colour shade.

Original

MX-M1100 / MX-M950 / MX-M850

MX-M1204 / MX-M1054 / MX-M904

Colour Reproduction (Same as MX-7040N / MX-6240N)

By adjusting saturation and contrast, the MX-M1204 / MX-M1054 / MX-M904 can reproduce more natural skin tones by obtaining appropriate contrast. Users can recognise the difference when they scan a photo such as those containing people or plants.

Face colour becomes more natural.

Other upgraded items

The following items are the same as MX-7040N / MX-6240N. As for monochrome series, the following items are new!

No	Point	Remarks
1	Sharpness	Both modes have five levels (1 to 5). Level 3 is same as Sharpness / Contrast "Off". When users choose "Sharpness 1", occurrence of moiré can be reduced. On the other hand, when they choose "Sharpness 5" and/or "Contrast 5", texts on the image are clearly scanned.
2	Contrast	
3	150 dpi scanning	It is able to produce small file size that users can read small characters.

■ Document Filing Data

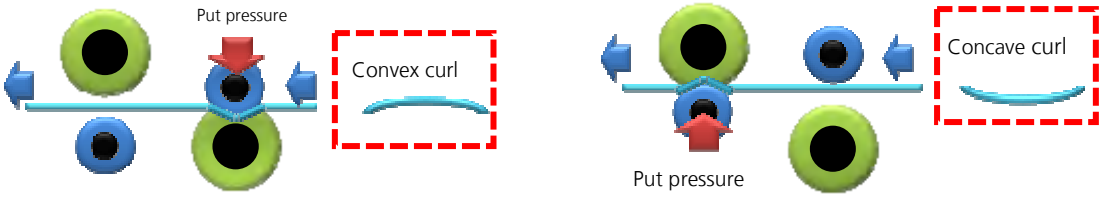
The MX-M1204 / MX-M1054 / MX-M904 offer the retention mode (RGB_RIP), suitable when users want to resend/reprint the printed data stored in the MFP's HDD for a long time. Unlike conventional models, the MX-M1204 / MX-M1054 / MX-M904 can resend the print data stored in the HDD. In addition, whenever users reprint the printed data stored in the HDD, they can always get the same result. In other words, the colour tone of printed data does not change.

Item	RGB	CMYK
Resend	Available	Not available
Colour tone at the time of reprint	Not changed	May change

■ Reliability/ Serviceability

■ Optional Curl Correction Unit (Same as MX-7040N / MX-6240N)

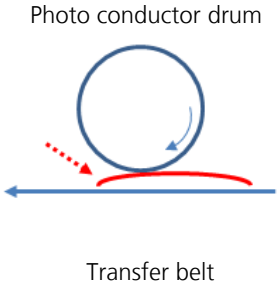
The MX-M1204 / MX-M1054 / MX-M904 can feed various types of papers. When some sheets of paper curl, they may disturb the stable copy/print process. By putting pressure on convex/ concave curl, the machine can correct curl in the paper. It is able to adjust the correction in 10 steps.



Note: When users install the 100-sheet finisher (MX-FN21) or 100-sheet saddle finisher (MX-FN22), the curl correction unit (MX-RB18) is required.

■ Standard Curl Correction (Main Unit) (New!)

The MX-M1204 / MX-M1054 / MX-M904 have a standard installed curl correction unit for 2-sided print/copy. After the paper is transferred, this unit prevents paper curl by de-curling the paper. This improves reliability at the time of 2-sided copy/ print.



Note: The standard curl correction unit is adjustable by a service engineer.

■ Intermediate Toner Hopper (Same as MX-M1100 / MX-M950 / MX-M850)

Same as previous models, the MX-M1204 / MX-M1054 / MX-M904 has a large intermediate toner hopper. When users replace the toner cartridge, they can continuously print/copy data without stopping the operation of the machine.

■ Longer Developer Life (New!)

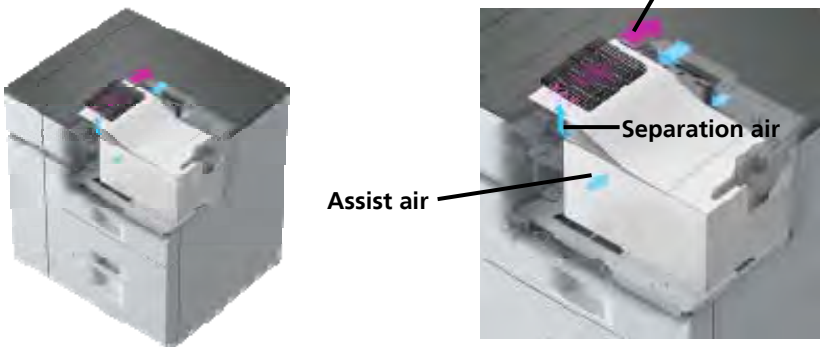
Compared to the previous models, MX-M1100 / MX-M950 / MX-M850, the developer life of MX-M1204 / MX-M1054 / MX-M904 is double i.e. 500k to 1,000k. This reduces the number of service visits.

■ Air Feed System (Same as MX-7040N / MX-6240N)

SRA3 large capacity tray (2 drawers), MX-LC13, supports Sharp's air feed system. It brings various advantages compared to roller feed system.

Advantages

- Maintenance-free (NO need to change roller.)
- Reliable separation. (Prevent paper jam.)
- Multi feed prevention.
- Many media types support.
- Humidity and temperature sensor to stabilize condition of paper.
- Uses pneumatic sensor to control appropriate air feed.
- Reduce static for coated paper.



■ Multi-Feed Detection Sensor Unit (MX-M1204 / MX-M1054 only)

The multi-feed detection sensor employs ultrasonic technology to help diagnose and detect misfeeds from the document feeder as well as the paper feed section. This is same as previous models, MX-M1100 / MX-M950.

■ Create PDF for PC Browsing

Users can browse the PDF data stored on the MFP's HDD from their PC by converting the filing data into PDF data. You can also download the PDF data.

Note: When you use this feature, both normal document filing data and PDF data are created, so they consume the capacity of MFP HDD.

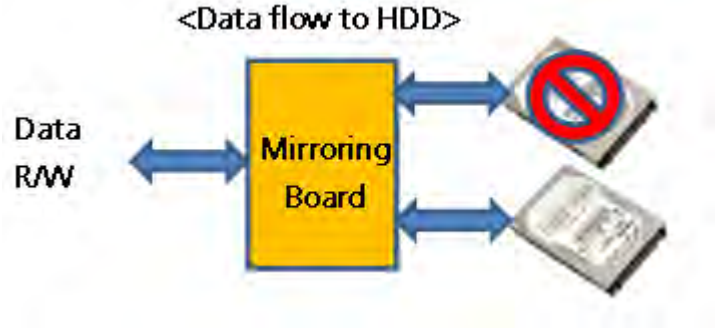
■ Store PC's Application Data into MFP's HDD

In addition to saving the filing data as PDF, users can use the MFP's HDD as the NAS (Network Attached Storage). Other users can read/upload the data stored in the MFP. Users can use up to 512 GB of the HDD as NAS area.

Note: We recommend installing the optional Mirroring Kit (MX-EB15) to safeguard documents as a secondary back up should the main HDD become corrupt or faulty.

■ Data Backup (Mirroring Kit)

Data handling has been enhanced on the MX-M1204 / MX-M1054 / MX-M904, for example, users can use the MFP's HDD as NAS (Network Attached Storage), and share/edit the document filing data. The optional Mirroring Kit, MX-EB15, is a second hard drive which enables data back up of those files stored on the HDD.



Even if one HDD is broken, the data can be secured and retrieved.

■ Machine Adjustment (Upgraded!)

Although an administrator can adjust some features on the system setting screen, the adjustable items are very limited. With the MX-M1204 / MX-M1054 / MX-M904, some items can newly be adjusted by the administrator. Service people turns on this feature by simulation if he/she recognizes its administrator has appropriate technical knowledge.

Note: For the details, please ask to your service people.

■ Operability / Usability

■ Intuitive User Interface

The MX-M1204 / MX-M1054 / MX-M904 are the first monochrome Sharp MFPs that are equipped with a 10.1" LCD panel with cutting-edge user interface which uses 'finger-swipe' touch control. The panel has no hard keys, other than power, power save, and home buttons. Its intuitive design and flick and swipe touch functionality makes it very easy to use (just like smart phones and tablet PCs) and offers wider flexibility. Users can customise the home screen to their own preference and the large screen makes it easier to read text and access applications, as well as the Web.

Home Screen

The MX-M1204 / MX-M1054 / MX-M904 have a Home screen with a choice of six different patterns. Basically, the screen has two areas. One is a scroll area that displays selection icons for basic mode and the other is a fixed area that displays system-related icons. Users can change the home screen display including whether they show the fixed area or not.

Legibility of Characters

The UI design on the MX-M1204 / MX-M1054 / MX-M904 has greater legibility of characters which makes it easier to read small fonts.

1. Adopt scalable fonts: smooth and bold font design.
2. Enlarge basic text size: its size is 15% larger than MX-M753U / MX-M623U.
3. Prepare large character mode: its text size is 30% larger than normal mode.

Customisation of Home Screen

Similar to the MX-7040N / MX-6240N, users can customise the Home screen. They can easily set preferred images on the background/ feature icons.

Note: Custom images have the following restrictions:

	Icon	Background
File Size	10kb	310kb
File format	JPEG, GIF, PNG (jpeg, jpg, jpe, jfif, gif, png)	

Basic Operation Panel Layout

Our conventional models have various hard keys: power source, energy saving, home, copy start (both B/W and colour), system settings, job status, proof copy, and number keys. The MX-M1204 / MX-M1054 / MX-M904 only have three hard keys, power source, energy saving, and home keys. Except for the above keys, the MX-M1204 / MX-M1054 / MX-M904 feature various soft keys, which give the following advantages:

1. Preventing potential mistakes in operation.
2. The intuitive panel makes it easier to use and navigate.
3. Changes the place of keys for higher priority features.

In addition, the main mode of the MX-M1204 / MX-M1054 / MX-M904 have changed from conventional models; "Fax" and "Scan to Email" modes replaces "Image Send" mode.

Favourite

Users can register or edit frequently used features as their favourite from 'my favourite' menu or each feature screen.

Action Panel

The action panel appears on the right side of the basic screen of each feature. The panel displays the link button and/or message related to the current displayed screen by proposing the next operation. It allows users to choose the desired feature quickly.

Program

Although the program registration method is different between Copy and Image Send, the job program is the same. Users can register the job program easier than before. The maximum number of job programs that users can register is 48 plus 1 for preset. In addition, users easily call the registered program by pressing the "Call Program" displayed on the action panel/ home screen. They can also register the paper type for bypass tray.

Intuitive Operation

The MX-M1204 / MX-M1054 / MX-M904 adopt the flick operation for easy and intuitive operation - like smart phones.

Gesture	Image	Operation	Example of Use
Long touch		Continue touching for a few seconds.	Balloon display to support the operation.
Tap		Tap the screen with finger quickly and lightly.	Operation for settlement.
Flick		Slide finger along the screen while touching.	Scrolls the page such as address book on the list or turns over pages
Slide		Move finger, while touching the screen.	For scroll bar.
Drag		Put finger on the screen for a few seconds, and then move finger.	Page edit.

Advanced Preview Feature

Users can easily check and edit the scanned image on the operation panel just as they can on conventional models. However the MX-M1204 / MX-M1054 / MX-M904 feature several output preview modes, 1 page display, thumbnail display, and 3D display, and edit mode. Users can then change the display mode in accordance with the purpose. After previewing the scanned images, users basically change the setting of features.

Output preview mode (at copy / fax, the preview is displayed on monochrome only.)

1 page display

3-D display page – 1 sided

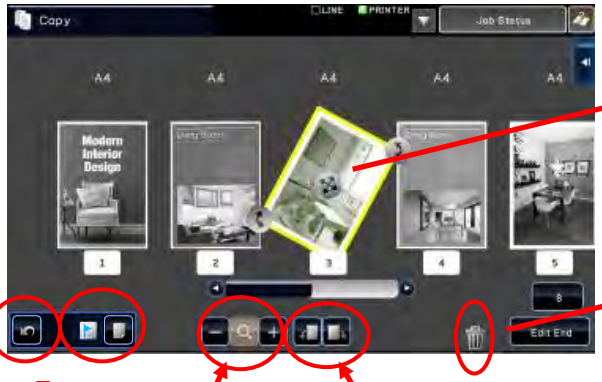
3-D display: 2-sided

Thumbnail display

Edit mode

Edit Mode (at copy /fax, the preview is displayed on monochrome only.)

Users can edit the scanned images. For example, they can rotate each sheet, change the order of a scanned sheet, insert a blank page, or delete unnecessary pages.



3rd page is ready to rotate. Note: Copy: by 180 degrees, Scan: by 90 degrees, Fax: cannot rotate.

When users remove page (s), "Undo" or "Redo" button appears to undo/redo the operation.

Users can drag unnecessary page(s) into this waste bin*

Left: Chapter Inserts
Right: Insert Blank Page

Each page can be reduced or enlarged.

All displayed pages are rotated clockwise or anti-clockwise.
Note: This mode CANNOT change the print direction.

When users remove unnecessary page(s), they can do the following steps, too. Select the page(s) and click the "Delete the Page" tab.

■ User-Friendly Design

Tilt Type Control Panel

The new panel can be tilted freely not only from front to back but also side to side. Users can easily adjust the control panel to improve visibility.

Universal Handles

The MX-M1204 / MX-M1054 / MX-M904 have universal handles on the paper drawers. Users can easily grip and pull out the paper drawer from the top or bottom of the handle. This type of handle is equipped on tray 1 to 4 and to the large capacity trays (MX-LC13).

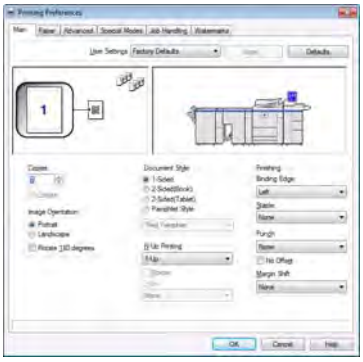
Front Access

When users replace a toner cartridge, or even if a paper jam occurs, they can replace toner or remove the paper from the front. This front access enables quick and easy maintenance and reduces downtime.

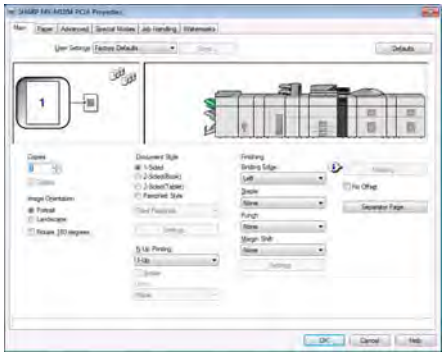
Common Drivers

Sharp uses a simple driver design, which is standardised across most models meaning that:

- If you can use one Sharp MFP, you can use any other Sharp MFP
- Only one driver disk is needed to install drivers for any of our colour range, making drivers easy to manage



MX-M1100 / MX-M950 / MX-M850



MX-M1204 / MX-M1054 / MX-M904

Remote Access Front Panel

The control panel of most MFPs is fixed, making it difficult for some people to use the MFP. To combat this, Sharp has developed the Remote Access Front Panel which shows the full operation panel on a PC as it appears on the MFP, making it easy to control remotely. Service helpdesk or disabled users can connect with the MFP using this feature.

Note: It is necessary to install the remote software to users' PC. (Recommended VNC Software: RealVNC, TinyVNC, SRDM)

Other uses include:

- Training – the user panel can be shown to a whole room using a projector, so there is no need for all of the trainees to gather around the front of the MFP.
- Helpdesk support – help a user navigate using Remote Access Front Panel, so no need to visit the MFP.
- Remote Administration – for example, an administrator at a company HQ does not need to visit the branch office to manage the MFP.
- Sharp OSA developers can support their software remotely.

USB Interface

An easy to access USB port allows users to scan important documents directly onto their USB memory drive, or to print documents directly from their USB memory. Compatible file formats include:

- PDF
- Encrypted PDF
- Compact PDF (requires optional MX-EB11)
- XPS (requires optional MX-PUX1)
- JPEG
- TIFF

There are two USB ports; one at the front of the MFP on the operation panel and one at the rear of the MFP. The USB port at the rear is exclusive for the wireless USB adaptor* (MX-EB13) if this option is installed by the user.

* Launch month of wireless USB adaptor for the MX-M1204 / MX-M1054 / MX-M904 is TBD.

System Settings

When users want to operate the system settings, they can access from the operation panel and/or the Web page. With conventional models, some settings can only be accessed from the Web page and the screen of the system settings. However, on the MX-M1204 / MX-M1054 / MX-M904, the number of settings that can be accessed from the operation panel and the web page is almost the same.

■ Solution

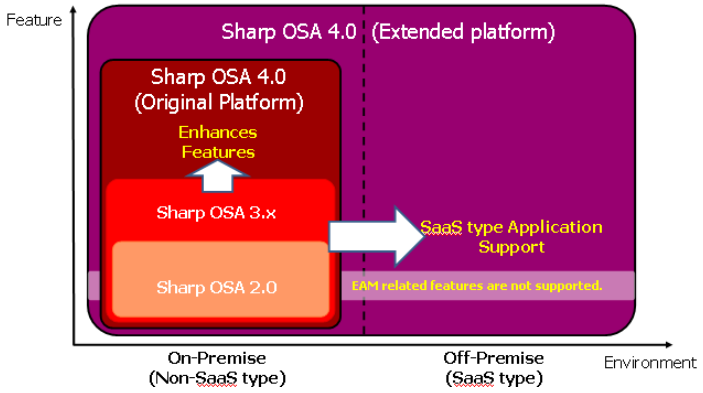
■ Sharp OSA

Sharp OSA makes it possible for third-party software developers to create custom applications that link the MFP to software programs on a server or PC, giving you the ability to create your own solutions specific to your own needs.
The MX-M1204 / MX-M1054 / MX-M904 are compatible with Sharp OSA versions 2.0, 3.0, 3.2, 3.5, and 4.0 which make it even easier to customise your MFP and integrate it into your office workflow.

Sharp OSA 4.0

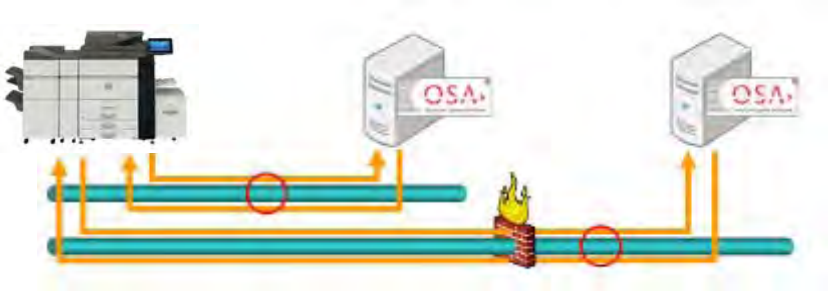
The MX-M1204 / MX-M1054 / MX-M904 support the next generation Sharp OSA 4.0*. Sharp OSA 4.0 differs from earlier versions in that it can connect to server applications outside the firewall. This is commonly known as connecting to the 'Cloud' or to 'Software as a Service' (SaaS) type applications.

Sharp OSA 4.0 offers two types of platforms 1) Conventional type platform (original platform), which do NOT support SaaS type applications and 2) extended platform, which does support SaaS type applications.



Extended Platform

Allows Sharp OSA server to be placed outside of the Firewall in addition to inside of the Firewall.
-> Sharp OSA applications can be provided as SaaS type applications.



Benefits for Customers

- Customers do not need to install server PC and software.
  -> Reduces cost for IT management.
- Large-scale initial investment is not required.
- SaaS type applications can communicate through firewall.
  -> Customers can construct more flexible system.

The above benefits can expand solution sales of Sharp OSA for small and medium-sized companies that have strong demands for SaaS type applications.

■ Sharp OSA Network Scanner Tool

Sharp OSA Network Scanner Tool is the optional software available on the MX-M1204 / MX-M1054 / MX-M904. As well as the license option, it requires the Sharp OSA Application Communication Module, MX-AMX2.

Main Features

1. To equip MFPs with convenient and improved scanning

- Browse folders on user's PC and scan directly to the desired folder on MFP operation panel
- Create searchable PDFs
- Rename files automatically by title words in document
- Divide batches of document by a separator sheet
- Collect index data automatically from forms
- Image matching with automatic filing

2. To reduce paper usage

- Scan to another user's public box to share files
- Choose a file for printing
- Preview scan and print files on the MFP operation panel
- Only storage address of scanning data is sent by email
- Reduce e-mail file sizes by sending a link to the scanned data only

3. To reduce Office IT work by using MFP to scan

- Install Sharp OSA Network Scanner Tool client on user desktops centrally. (push install)
- Client-host synchronisation so profiles are always up-to-date
- Centralise profile storage so users can access their profiles at any MFP

Ver1.1 updated features

	Features	Overview
1	Add simple UI operation mode	Simple UI operation mode has been newly added. It allows less-frequently used buttons to be hidden and display thumbnails and preview in scanning to speed up the display rate of MFP operation panel.
2	Add "Displaying thumbnails" and "Preview" without installing Sharpdesk	TIFF/JPEG/PDF/XPS files can be displayed as thumbnails and previewed on the operation panel even when Sharpdesk3.3 is not installed in clients.
3	Support Citrix	Citrix XenApp and XenDesktop environments have been supported.
4	Expand title renaming	The user can specify one or more areas manually in a scanned image file; the selected area is OCRed on a real-time basis, and characters in the areas are combined to generate and save as the filename.
5	Customized Icon Image	In addition to icons that have been installed to the Sharp OSA Network Scanner Tool, users can create icons by uploading their own images.
6	Transfer data to the shared folder automatically	Files generated through OCR processing on a client are automatically transferred to a folder in the network file server.

■ Web Browsing Expansion Kit

If the optional web browsing expansion kit (MX-AM10) is installed, users can browse the Internet on the operation panel and print various content including brochures, tickets, coupons, and/or maps. The MX-M1204 / MX-M1054 / MX-M904 support PS3 as standard, so users can print PDF data directly.

Screen when Using Web Browsing Expansion Kit

Zoom button

■ Sharpdesk Mobile*[1]

The "Sharpdesk Mobile" is a powerful, cutting edge **mobile scanning/printing application** that connects Sharp MFPs via a wireless LAN connection with a suite of popular mobile products such as the iPhone or iPad*[2]. "Sharpdesk Mobile" application for Apple and Android mobile devices will be available as a free download*[3]

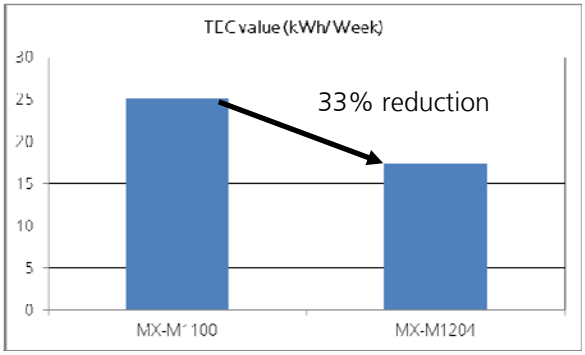
*1: MX-M1204/ MX-M1054/ MX-M904 will support Sharpdesk Mobile from TBD.
*2: Supported devices: iPhone 4, iPhone 4S, iPad, iPad2 and the new iPad (iOS 4.3, 5.0 and 5.1) or Android based mobile devices running Android 2.3 (SD card required for some devices, screen resolution of 800 x 480 pixels and higher recommended).
*3: This application is available to download free from the Apple App Store or Google Play. Availability varies by country or region.

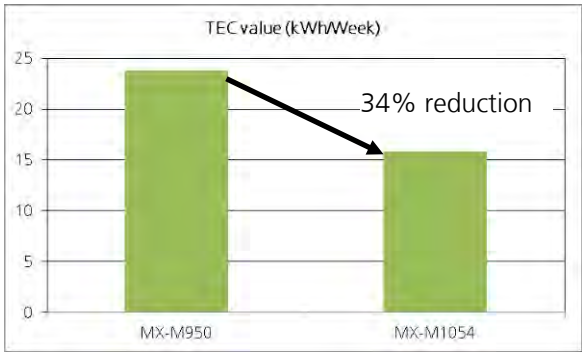
■ Environmentally Friendly

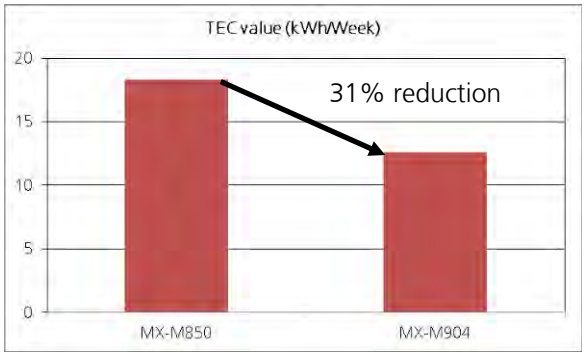
■ Reduced TEC Value

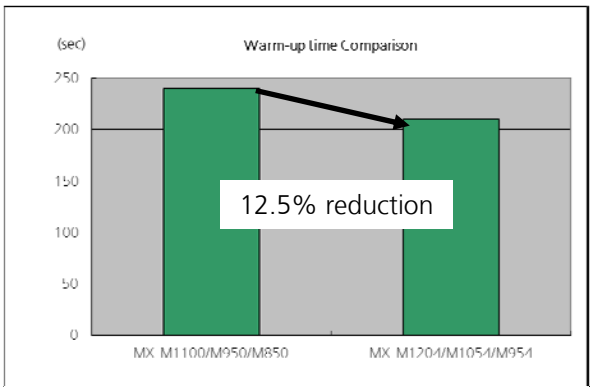
The MX-M1204 / MX-M1054 / MX-M904 adopt various environmental technologies, for example, the learning feature to reduce power consumption, and the LED lamp. (These are the same as the MX-7040N / MX-6240N). In addition, the MX-M1204 / MX-M1054 / MX-M904 feature "eco scan" mode, which executes a job by keeping the fuser off when that job does not require the fuser, such as image send or document filing. These technologies result in a drastic reduction of the TEC value and warm-up times compared to the previous models, MX-M1100 / MX-M950 / MX-M850.

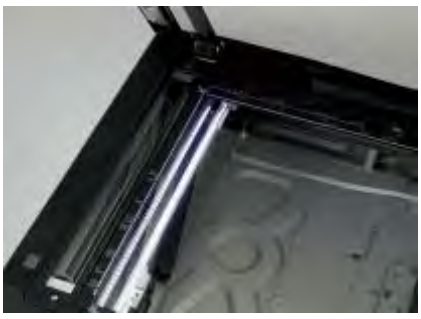
1) TEC value comparison between MX-M1100 (25.1 kWh), MX-M950 (23.8 kWh), and MX-M850 (18.3 kWh), MX-M1204 (17.4 kWh), MX-M1054 (15.8 kWh), MX-M904 (12.6 kWh).
2) Warm up time comparison between MX-M1100 / MX-M950 / MX-M850 (240 sec), MX-M1204 / MX-M1054 / MX-M904 (210 sec)











The power consumption of the exposure lamp is drastically reduced by changing it from Xenon to white LED

■ Energy Saving Mode

The MX-M1204 / MX-M1054 / MX-M904 can be set to go into the power save mode after a set period of inactivity. In addition to this, there is a power-save button which, when pressed, forces the MFP into power save mode immediately.

■ Eco Mode

The MX-M1204 / MX-M1054 / MX-M904 have an "Eco mode", which can make the energy saving related settings collectively.

Enhanced Auto Power Shut Off

The MX-M1204 / MX-M1054 / MX-M904 have an enhanced "Auto Power Shut-off" mode. In conventional models, MFPs can automatically set the auto power shut-off timer in accordance with average usage for four weeks. However, it is NOT suitable for users who intensively use an MFP on specific day(s). With the MX-M1204 / MX-M1054 / MX-M904 you can prepare "Specific Date Operation Settings". This enables users to set the specific pattern manually to suit their usage.

Eco Scan Feature

The MX-M1204 / MX-M1054 / MX-M904 also support Eco scan feature. Jobs not requiring printing such as Image Send or Scan to HDD can be executed with the fuser turned off.

Power On/Off Scheduling

Users or the Administrator can register the schedule so that the MX-M1204 / MX-M1054 / MX-M904 are automatically turned on or off. For example, the MFP can be turned on at the start time of work and then turned off during lunch time or at the end of the day. Up to three patterns can be set.

■ Environmental Regulations

- RoHS is a European directive, on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
- WEEE – The Waste Electrical and Electronic Equipment regulations is aimed at reducing the amount of waste going to landfill and improving recovery and recycling rates.
- Energy Star is a label for energy efficient products with worldwide recognition. The Energy Star programme was introduced to Europe in 2002 as a voluntary label for computers, monitors, printers, fax machines, scanners, copiers and multifunctional machines. New specifications were introduced in 2007 which ensure that the Energy Star represents only the markets most energy efficient products.
- The official Nordic Ecolabel demonstrates that a product is a good environmental choice. They check that products fulfil certain criteria including power consumption, materials used, emissions and performance properties. The label is usually valid for three years. (As of August 2012, MX-M1204 / MX-M1054 / MX-M904 have not yet been certified with Nordic Ecolabel).

The MX series are designed with the environment in mind and based on Sharp's policy of becoming a totally environmentally friendly company.

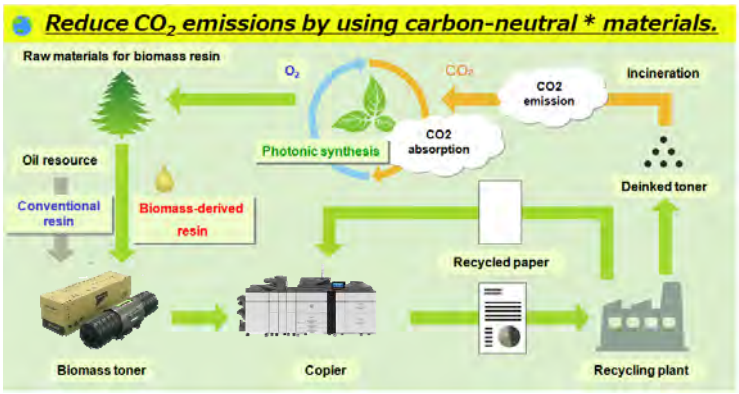
- The MX series have been developed with "Common platform" concept, which utilises common mechanical parts, boards, consumables, software and controllers as much as possible. This fact is important for the overall company's activities such as stock management, production, logistics, technical training, etc. This means less power is required to sustain the company's activities and total energy consumption is reduced, as everything is Sharp.
- The material name and characteristics are mentioned on all plastic parts and cabinet for recycling. Also labels for caution or operation are reduced as much as possible and instead of these messages are now embossed on plastic.

■ Biomass Plastic

MX-M1204 / MX-M1054 / MX-M904 are the first Sharp's overseas monochrome models that adopt the biomass plastic that is environmentally friendly, ie, it can reduce CO_2 emissions.

■ Biomass Toner (New!)

In addition to Biomass Plastic, MX-M1204 / MX-M1054 / MX-M904 are the first Sharp overseas models that adopt its use. Considering the environment, the toner adopts non-crop type biomass feedstock to replace resin, which previously accounted for a high percentage of the overall toner. Using carbon-neutral materials in place of resin contributes to a reduction in CO_2 emissions, thus lessening the impact on the environment.



■ Multi-layered Security Solutions

The MX-M1204 / MX-M1054 / MX-M904 employ Sharp's unsurpassed expertise in security to ensure that your data remains safe; whoever has access to your MFP. Some security features that are available once a DSK has been installed on previous models are standard on the MX-M1204/ MX-M1054 / MX-M904.

Secure data during communications with the MFP

- HTTPS / SSL / IPsec network data encryption
- IP / MAC address filtering

Secure data stored on the MFP

- Encrypt data during processing
- Overwrite data on HDD once processing is complete
- Encrypt the HDD
- Automatically delete files after a set period

Secure data once it leaves the MFP

- PIN printing
- Encrypted PDF support

Output by the MFP

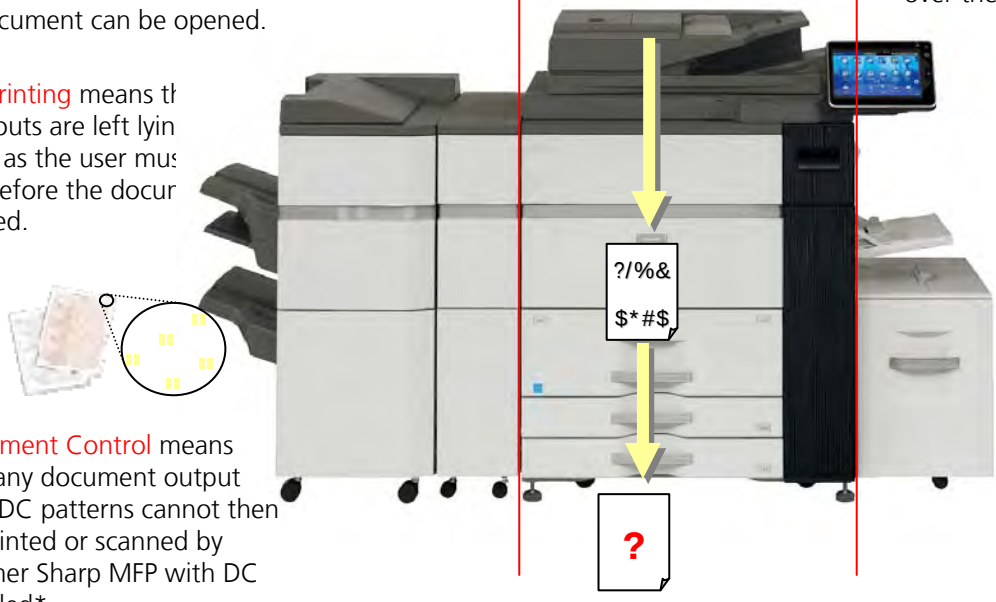
Scanned documents can be scanned in Encrypted PDF format, meaning a password must be entered before the document can be opened.

PIN Printing means th printouts are left lyin MFP, as the user mus PIN before the docur printed.

Document Control means that any document output with DC patterns cannot then be printed or scanned by another Sharp MFP with DC installed*.

On the MFP

Data on the HDD (and being processed) can be encrypted. Default: Off

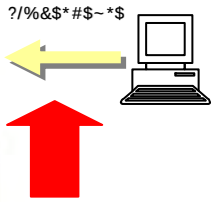


Files stored on the HDD can be automatically deleted on a regular basis.

Once processed, data can be overwritten with random data. Default: Off

Input to the MFP

IP & MAC address filtering restricts access to the MFP over the network.



SSL / IPsec encryption protects communication over the network.

* Requires optional Data Security Kit

Difference between standard Security and Data Security Kit

Yellow shaded cells show the newly added standard security feature. (same as MX-7040N / MX-6240N).

	Function	Standard Security Function	Non-CC DSK
Contents of Display	DSK icon	No	Yes (Key mark)
	Version message	No	Yes
Data Encryption	Data encryption	Yes	Yes
Data Clearance	Auto clear upon completion of each job	Yes (1-7 times)	Yes (1-7 times)
	Document filing file clearance	Yes (1-7 times)	Yes (1-7 times)
	Clear all memory	No	Yes (1-7 times)
	Clear document filing data	No	Yes (1-7 times)
	Clear all data in job status jobs completed list	No	Yes (1-7 times)
	Clear address book data and registered data in the MFP	No	Yes (1-7 times)
	Power up auto clear	No	Yes (1-7 times)
	Settings for number of times clearance is repeated	Yes (only auto clear upon completion of each job)	Yes (1-7 times)
	Initialisation of personal data	Yes	Yes (1-7 times)
Disabling Settings	Disabling setting of document filing	No	Yes
	Disabling setting of data list print	No	Yes
	Disabling of print jobs other than print hold jobs	No	Yes
	Setting for displaying job status completed area	No	Yes
Document Control	Print settings	No	Yes
	Printer driver	No	Yes
	Detection of pattern	No	Yes
Password Protection	Admin password	Yes (always ON after administrator enabled security functions)	Yes (Always ON)
	User authentication	Yes (Available ON/OFF setting)	Yes (Always ON)
	Document filing files/folder password	Yes (always ON after administrator enabled security functions)	Yes (Always ON)
	Password when direct printing encrypted PDF	Yes (always ON after administrator enabled security functions)	Yes (Always ON)
	Server password when FTP pull printing	Yes (always ON after administrator enabled security functions)	Yes (Always ON)
Additional Authority Items	Document filing approval setting	No	Yes
	Approve print jobs other than print hold jobs	No	Yes
Others	Authentication at FTP pull print	No	Yes
	System log	No	Yes

IEEE 802.1X

IEEE 802.1X is a LAN standard established by the IEEE 802 committee. It is a technology used to authenticate hardware connected to the network; therefore its main function is to prevent unauthorised machines from gaining access to your network. The MX-M1204 / MX-M1054 / MX-M904 support IEEE 802.1X, maintaining the high level of security your network requires using three main techniques:

- Authentication on LAN switches
- DHCP server system
- Personal firewall system

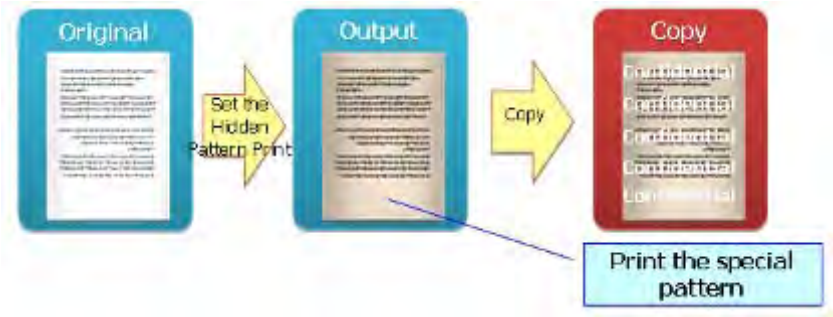
Initialise Private Data/Data in the Machine

Users can restore the system-set value to the factory default state and can delete the data such as address book data, job log, or data in document filing folders stored in the MX-M1204 / MX-M1054 / MX-M904 by themselves; by pressing the "Initialise Private Data/Data in the Machine" button. By using this feature, users do not need to worry that their important information may leak.

Hidden Pattern Print (Copy/ Print)

This feature allows the user to add text in the background of an original document, for example 'Copy', 'Confidential' or 'Not for Copy'.

If the original is copied, the MFP detects this 'pattern' and prints the text across the original document. This feature can prevent unauthorised copy and protect the confidential information/ personal information.



Tracking Information Print

Some information such as printed date/user name is always printed on the output page in the upper or lower side of the sheet by checking this feature on the system settings. Tying this feature to the job log enables information tracking.

■ Connectivity

There are so many different environments and systems in use in today's office that an MFP needs to be compatible with as many as possible. The MX-M1204 / MX-M1054 / MX-M904 have been developed with this in mind.

Sharp is a gold-level member of the **SAP® Printer Vendor Program**. SAP device types for all of our devices will be created to provide connectivity with SAP.

WHQL (Windows Hardware Quality Labs) testing ensures full compatibility with Windows systems.

Sharp is a Citrix Ready Technology Member, giving us access to testing resources, technical support and other Citrix development tools.

Compatibility with the CUPS (Common Unix Printing System) ensures you can use your MFP with both Unix and Linux.

Not only can our devices work with all these software vendors, the MX-M1204 / MX-M1054 / MX-M904 can communicate with them exceptionally quickly over the latest networking technologies:

- Standard Gigabit Ethernet (1000Base-T)
- IPv6 (Print only)

Note: SAP and all SAP logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries.

Sharp Remote Device Manager*

Sharp Remote Device Manager (SRDM) (previous name: PAU) is Sharp's own web-based administration utility. It allows administrators to manage their fleet of MFPs quickly and easily, without having to physically visit the MFP.

SRDM has following features same as PAU 5:

- Login
- Hierarchical grouping
- Remote operation
- Cloning multiple machines (1 to many)
- Firmware update on multiple machines (1 to many)**
- Remote access to Sim 22-6, 23-2 lists**

SRDM's main features

- Device discovery
- Status update
- Device management
- E-mail alerts
- Cloning
- Remote operation
- Driver distribution
- Service report**
- Display and Export of device usage information**
- Firmware update**

Note: * MX-M1204 / MX-M1054 / MX-M904 will support SRDM from - TBD.
**These items are for service people.

Product Comparison

			MX-M1100	MX-M950	MX-M850	MX-M1204	MX-M1054	MX-M904
Exterior design								
Integrated keyboard			Software keyboard			Fixed onto front of MFP		
LCD Panel			Full colour, 10.4 inch VGA (640 x 480)			Full colour, 10.1 inch W-SVGA (1,024 x 600)		
New user interface			No			Yes		
Tilt structure			No			Yes		
Colour variation			No			7 colours including universal design (Default: Black)		
Universal handle			No			Yes		
USB			Rear			Front and/or Rear Rear port is exclusive for Wireless USB adaptor.		
Dimensions (mm) (WxDxH)			1,301 x 771 x 1,518			1,084 x 790 x 1,237		
Weight (kg) (approx.)			300			295		
FUNCTION								
	Copy		Std					
	Network Printer		MX-PBX2			Std		
	Printer Language	Std	PCL6/5c			PCL6, Adobe PS3		
		Opt	PS3 (compatible)			XPS		
	Network Colour Scan		MX-NSX1 & MX-EBX1			Std		
	Fax		Opt (MX-FXX1)			Opt (MX-FX11)		
	Document Filing		Std					
	Sharp OSA		Opt Ver 2.0			Opt Ver 2.0, 3.0, 3.2, 3.5, 4.0		
Copy/Print Speed (Platen) (cpm/ppm)		Mono	110	95	85	120	105	90
Document Feeder Speed (BW/Col) (opm)		1-sided	85	120		120		
		2-sided	85	120		200		
Paper capacity		Min	3,100 (1,200-sheet + 800-sheet + 2x500-sheet+ 100-sheet multi-bypass)			3,100 (1,200-sheet + 800-sheet + 2x500-sheet + 100-sheet multi-bypass)		
		Max	8,050 (1,200-sheet + 800-sheet + 2x500-sheet 2x1,000-sheet + 2,550-sheet + 500-sheet multi-bypass)			13,500 (2x2,500-sheet + 1,200-sheet + 800-sheet + 2x2,500-sheet + 500-sheet multi bypass)		
Paper weight (gsm)	Tray 1 & 2 /Duplex		60 – 105					
	Tray 3 & 4/ Duplex		60 - 205			60 - 220		
	Bypass		52 - 300 (MX-MFX1) 52 – 205 (MX-MFX2)			52 – 300 (MX-MFX1) 52 – 220 (MX-MF11)		
Warm-up time (sec)			240			210		
First Copy Time	Platen		3.2		4.0	3.2		4.0
	DSPF		5.5		6.3	5.5		6.3
Resolution (dpi)		Copier	600 x 600			600 x 600, 1,200 x 1,200		
		Printer	600 x 600, 1,200 x 1,200					

		MX-M1100	MX-M950	MX-M850	MX-M1204	MX-M1054	MX-M904
Memory		Copier: 768 MB (Std), 1,536 MB (Max) Printer: 512 MB (Std.), 1,024 MB (Max)			Std/ Max Copier/Printer (shared) 5 GB		
HDD		Std 80 GB			Std 1 TB		
Document Filing Capacity	Main and Custom	45,000 pages or 3,000 files			35,000 pages or 5,000 files		
	Quick Folder	14,000 pages or 1,000 files			10,000 pages or 1,000 files		
	Maximum number of Custom folders	500			1,000		
ENVIRONMENT							
TEC value (kWh)		25.1	23.8	18.3	17.4	15.8	12.6
Exposure lamp		Xenon			White LED		
Eco scan		No			Yes		
Eco learning		No			Yes		
Power on/off scheduling		No			Yes		
Instant auto power shut-off		No			Yes		
Power management setting		No			Yes		
Sleep mode setting		No			Yes		
Toner save mode		1 step			Yes (Copy mode: sim setting 3 steps) (Printer mode: via driver)		
OPTIONS							
A4 Large capacity tray		MX-LCX6			MX-LC12		
A3 Large capacity tray		MX-LCX3N					
A3 Large capacity trays (2 drawers)		-			MX-LC13		
A3 Large capacity trays (3 drawers)		MX-LCX4			-		
A4 large capacity trays (3 drawers)		MX-LCX5			-		
Multi bypass tray		MX-MFX1 for main unit MX-MFX2 for MX-LCX4/5			MX-MFX1 for main unit MX-MF11 for MX-LC13		
Relay unit		-			MX-RB13 Relay Unit (between 100 sheet finisher and inserter)		
Paper pass module		-			MX-RB16 Paper Pass Unit (for main unit)		
Connection module		-			MX-RB17 Connection Module (required if 2 x MX-LC13's are installed)		
Finisher		MX-FNX5 (100 staple)			MX-FN21 (100 staple)		
		-		MX-FNX6 (50 staple)	-		MX-FN24 (50 staple)
Saddle stitch finisher		MX-FNX5 + MX-FNX8 (100 staple)			MX-FN22 (100 staple)		
				MX-FNX7 (50 staple)	-		MX-FN25 (50 staple)
Punch module		MX-PNX3A/C/D for MX-FNX5 MX-PNX4A/C/D for MX-FNX6/7			MX-PN13A/C/D for MX-FN21/22 MX-PNX4A/C/D for MX-FN24/25		
GBC punch unit		MX-GBX1			MX-GB50		
Booklet maker		MX-BMX1			MX-BM50		
Trimming module		-			MX-TM10		
Inserter		MX-CFX2			MX-CF11		
Curl correction unit		-			MX-RB18		
Folding unit		MX-FDX1			MX-FD10		
High capacity stacker		-			MX-ST10		
Paper cart		-			MX-CA10		
PS3 expansion kit		MX-PKX4			Std.		
XPS expansion kit		-			MX-PUX1		

	MX-M1100	MX-M950	MX-M850	MX-M1204	MX-M1054	MX-M904
Barcode font kit	AR-PF1			MX-PF10		
Enhanced compression kit	-			MX-EB11		
Fax expansion kit	MX-FXX1			MX-FX11		
Data security kit	MX-FRX8/MX-FRX8U			MX-FR38U		
Web browsing expansion kit	-			MX-AM10		
Mirroring kit	-			MX-EB15		
Printer expansion kit	MX-PBX2			Std.		
Network Scanner expansion kit	MX-NSX1			Std.		
Colour expansion kit	MX-EBX1			Std.		
EFI printer controller	MX-PEX3			-		
Interface kit for MX-PEX3	MX-PXX3			-		
Status indicator	Std (on UI)			MX-SL10		
Sharp OSA Network Scanner Tool	-			MX-UN01A/05A/10A/50A/1HA		
Supplies Life						
Toner	120k					
Developer	500k			1,000k		
Drum	1,000k					

			MX-M1100/ MX-M950/ MX-M850	MX-M1204/ MX-M1054 / MX-M904
FUNCTIONS (Additional functions only)				
Copy	**Zoom (%)**		25 - 400 (25 - 200 for DSPF)	
			No	Supports the magnification calculation function by the mm/inch specification
	Rotation Copy		Yes	
			No	Support rotated copy on APS/AMS OFF
	Auto Calibration		Yes (Sim)	Yes
	Program call / Registration		Yes (48)	Yes (48, Preset:1) Allowed setting paper type of bypass tray
	Rotate back face 180 deg		1-side to 2-side 2-side to 2-side	1-side to 2-side 2-side to 2-side 2-side to 1-side
	Auto selection setting of tray that is supplied the paper		No	Yes
	Notification sound of finished copy job		No	Yes (Support by Soft-SW)
	Stop copy when no original		No	Yes (Support by Soft-SW)
	Alert when detecting black line (System Settings)		No	Yes
	Decreasing black line settings (System Settings)		No	Yes
Copy-special function	**Erase**		Edge / Centre / Side	Edge / Centre / Side / Reverse erase position of back face
	Job build		Yes	Yes Setting change items of each bunch (Number of copies and colour/monochrome setting)
	Insert Separator	**Between sets**	No	Yes
		Between jobs	No	Yes
	Covers/ Inserts		Yes	
		Maximum number of insert sheet types	2	11
		Maximum number of insert sheets	100	
		Combination with Z-folding	No	Yes
		Continuous insertion of covers/inserts	No	Yes
		Insertion just before back cover	No	Yes
	Multi-Shot		2-in-1, 4-in-1	2-in-1, 4-in-1, 8-in-1 Exclude 1st page Pamphlet Copy + Multi Shot (2-in-1, 4-in-1 only) Page print by the page of an original
	Stamp		Yes	
		Watermark	No	Yes
	Original count		Yes (OC only)	Yes (Both Document feeder and OC)
	Custom Image	Stamp	No	Yes
		Watermark	No	Yes

Copy-special function (Cont.)	**Repeat Layout**	Photo repeat	Yes	
		Fixed repeat	No	Yes
	Multi-page enlargement		Yes	
		From A type to B type B type to A type	No	Yes
		Print paste position mark	No	Yes
	Sharpness		No	Yes
	Suppress background		No	Yes
	Blank page skip		No	Yes (Both Document feeder and OC)
	Position Image		No	Yes
	Book divide		No	Yes
	Pamphlet copy		Yes	Yes (Trim width Adjustment for the inner trimmer)
	Print and Send		No	Yes
Image Send	Scan only	**Supported file format**	TIFF, PDF, Encrypted PDF, JPEG* . * Colour/Grayscale only: MX-EBX1 required.	TIFF, PDF, Encrypted PDF, XPS, PDF/A, Compact PDF*, JPEG** * MX-EB11 required. ** Colour/Grayscale only
		Compression method for colour	JPEG* MX-EBX1 required.	JPEG, Compact PDF (Opt required), Bk letter emphasis
		One scan multi format	No	Yes
		Resolution	100, 200, 300, 400, 600 dpi	100, 150, 200, 300, 400, 600 dpi
		Auto colour selection	No	Yes
		Drop out colour	No	Yes
		Moire reduction mode	Yes	No (Sharpness provides the amost same feature.)
		Sharpness	No	Yes (5 steps)
		Contrast	No	Yes (5 steps)
		Scan to me	No	Yes
		Blank page skip	No	Yes (Support from both Feeder and OC)
		Suppress background	Yes (Colour and Grayscale)	Yes (Colour, Grayscale, and B/W)
		Broadcasting destination	500 (Email/ FTP/ Desktop)	500 (Email/ FTP/ Desktop/ SMB)
	Internet FAX/ Direct SMTP	**Fixed size reception**	No	Yes (supported by Soft SW)
	Scan/ Internet FAX/ Direct SMTP	**File name**	Yes	Yes (Scanning from USB memory is also supported.)

Image Send (Cont.)	Internet FAX/ Direct SMTP/ Fax	Inbound routing		Yes	
			File format	TIFF	PDF, Single TIFF, Multi TIFF, XPS
			PDF creation for PC Browsing when storing in the HDD	No	Yes
			File name setting (Attached TIS information)	No	Yes
			Destinations	E-mail	E-mail, FTP, SMB, Desktop, FAX, Internet FAX
			Alternative mode for destination error	No	Yes
			Information about the MFP that transfers the data is added to the transferred data	No	Yes
			Timetable	No	Yes
			Easy destination switching	No	Yes
		Preview		No	Yes
			Forward	No	Yes
			Filing	No	Yes
			Registered to junk FAX	No	Yes
			Printing/forwarding of specified pages.	No	Yes
		Output reception from specified fax numbers		No	Yes
		Timer output		No	Yes
	Fax	Support digital network net		No	Yes
		Destination confirmation		No	Yes
	Long original transmission			Up to 800 mm	Up to 1,000 mm
	Resend			Call up latest 8 addresses sent or order of transmission frequency as a single destination	Call up latest 50 addresses sent or order of transmission frequency as a single destination
				Email/FTP/SMB/ USB	Email/FTP/SMB/Desktop/ Broadcast
	Memory transmission			94 destinations	100 destinations
	Original count			Yes (excluding USB memory scan) (DF only)	Yes (Both DF/ OC)
	Book divide			No	Yes
	Card shot			Yes (63-200%)	Yes (63-400%)
	Deletion of transmission record			No	Yes
	Deletion of address from group which has already registered			No	Yes
	Foot print			No	Yes
	Alternative reception number			No	100 (total of Internet Fax and Fax)
Address book	Number of one-touch key registration			999	2,000
	Number of group key registration of direct entry			5,000	6,000
	Address book registration from sending history screen			No	Yes
	Address book registration from LDAP search result			Yes	No
	My address			No	Yes

	Cloning address book		No	Yes
	Retrieve local address book		No	Yes
	Fixed mode display		No	Yes
	Linkage with PC-FAX address book		No	Yes
	Readout/read-in of data registered in other models		No	Yes
	Import/ Export Address Book		No	Yes
PC-Fax/ PC-iFax	Create cover sheet		Yes	Yes (Direct address entry also supported.)
	Timer		No	Yes
	Connection with MFP address book		No	Yes
Print	Direct print	Destination	FTP, e-mail, Web, USB	FTP, e-mail, Web, USB, SMB
		Supported file format	Encrypted PDF/ PDF/ TIFF/ JPEG	Encrypted PDF/ Compact PDF/ PDF/A/ PDF/ TIFF/ JPEG/ XPS
		Paper tray setting	No	Yes
		Disabling setting of USB/SMB direct printing	No	Yes
		N-Up print	No	Yes
		Glossy paper print	No	Yes
	Trimming		No	Yes
	Separator page		No	Yes
	Pamphlet style- Full image pamphlet		No	Yes
	Margin shift settings		By 10 mm	By 1 mm
	Object judgement		No	Yes (Switch screen/ colour)
	Mirror Image		Opt (MX-PKX4)	Yes (PS only)
	A3 wide pamphlet		No	Yes
	Layout print	N-up w/o 1st Page	No	Yes
		Repeat Print	No	Yes
	Smoothing		No	Yes
	Print Position		No	Yes (PCL only)
	100% N-up		No	Yes (PCL only)
	Line width setting		Yes (50, 75, 90, 95, 100, 105, 110, 125, 150) (PCL only)	Yes (-2, -1, 0, 1, 2) (PCL only)
	Chapter Inserts		No	Yes
	Page interleave		No	Yes
	Custom image registration		No	Yes
	Compatibility		No	Yes
	Print and send		No	Yes
	Lot4 (for EU only)		No	Yes
	Job cancel at auto job control review		No	Yes
	A0 & A1 fit page		No	Yes
	Use driver to render JPEGs		No	Yes
	Spool display		No	Yes
	N-up + Pamphlet style		No	Yes
	Print Policy		No	Yes (PCL only)
		Always use user authentication	No	Yes (PCL only)
		Alwayse use retention	No	Yes (PCL only)
		Use Windows Login Name as 'Login Name'	No	Yes (PCL only)
	Sharpness		No	Yes
	Maximum number of paper for insertion		100 sheets	1,000 sheets
	Continuous insertion		No	Yes
	Insert sheet just before back cover		No	Yes

	SAP support		No	Yes
	AS400 support		No	Yes
	Folding		No	MX-FN25/22: Saddle Fold, Multi sheet fold staple, MX-FN22+ MX-FD10: Saddle Fold, Multi sheet fold staple, Half-fold, C-fold, Accordion fold, Double fold, Z-fold
Document Filing	**Combine file**		No	Yes (up to 2 files)
	Confidential setting-File passpassword		Up to 8 digit numbers	Up to 32 digit numbers
	Single/ 2-colour print at the time of resend		No	Yes
	Selection of multiple files (Print, Delete, Move)		No	Yes (print/delete/move)
	Preview for print data		1st page only	All pages
	Create PDF for PC browsing		No	Yes
	Store PC's application file		No	Yes
	Data saving for each function	**Quick folder-shared**	Copy, Printer, FTP push/pull, Email push, Web push, Scan to email, HDD, I-Fax send, Fax send, PCFax/I-Fax send, USB pull	Copy, Printer, FTP push/pull, USB pull, Email push, Web push, SMB pull, Scan to email, FTP, desktop, SMB, I-Fax send/receive, Fax send/receive, PCFax/I-Fax send
		Main/Custom shared	Copy, Printer, Email push, Scan to email, HDD, I-Fax send, Fax send, PC-Fax/I-Fax send	Copy, Printer, FTP pull, USB pull, Email push, SMB pull, Scan to email, FTP, desktop, SMB, I-Fax send/receive, Fax send/receive, PC-Fax/I-Fax send, Scan to HDD
		Main/Custom-confidential	Copy, Printer, PC-Fax/I-Fax send , Scan to HDD	Copy, Printer, FTP pull, USB pull, SMB pull, Scan to email, FTP, Desktop, SMB, I-Fax send/receive, Fax send/receive, PC-Fax/I-Fax send, Scan to HDD
Data Operation	**Edit**		No	Yes
	Select multiple files		No	Yes
	Timer for deletion		No	Yes
Feature setting	**Exposure (Manual)**		No	Yes
	Ratio		No	Yes
	Custom image		No	Yes
	Document control		No	Yes
	Hidden pattern print		No	Yes
	Toner save mode		No	Yes
Resend	**B/W printer**		No	Yes
	N-Up		No	Yes
	Blank page skip		No	Yes
	Drop-out colour		No	Yes

	Advanced Preview (copy/Image Send/ Document filing (Scan to HDD), Scan to external memory device only)		No	Yes
	Delete		No	Yes
	Move		No	Yes
	Rotate		No	Yes
	Erase specified range		No	Yes
	Chapter Inserts		No	Yes
	Page Inserts		No	Yes
Authentication Security	**IC card authentication**		No	Yes
	LDAP authentication for printer job		No	Yes
	Single sign-on		No	Yes
	Authentication per mode		No	Yes
	ActiveDirectory		No	Yes
	Number of Authority groups-Preset group		3	5
	Number of Registration for number of pages limit group, authority group, favourite operation groups		8	20
	Switching internal authentication from external authentication when service crashes. (including recover)		No	Yes
	Authority group registration settings	**SMB pull print**	No	Yes
		Document filing image check	No	Yes
	Favorite operation group registration settings	**Scan to external memory device initial status settings.**	No	Yes
		Automatically print stored job after login	No	Yes
		Preview setting – Default setting of list/ thumbnail display	No	Yes
		Preview setting	No	Yes
	User registraion items		User name, Search character, Index, Login name, Password, My folder, E-mail address, Authentication setting, Page limit group, Authority group, Favourite operation group	User name, Search character, Index, Login name, Password, My folder, E-mail address, IC card ID, Authentication setting, Page limit group, Favourite operation group Organisation Code
	Initialization of personal information and internal data		No	Yes
	Hidden pattern copy/ print		No	Yes
	Tracking information print		No	Yes
Other	**e-manual display on the operation panel**		No	Yes
	HTML type e-manual print/ search from operation panel		No	Yes
	Mirroring		No	Yes
	Offline output mode		No	Yes

Competitive Comparison

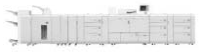
The competitive analysis is designed to promote the features of the MX-M1204 / MX-M1054 / MX-M904 in terms of their competitive advantages.

Content Items and Order:

- Sharp MX-M1204 vs. Canon imagePRESS 1125
- Sharp MX-M1204 vs. Konica Minolta bizhub PRO 1250
- Sharp MX-M1204 vs. Oce VarioPrint DP 120
- Sharp MX-M1204 vs. Ricoh PRO 1357EX
- Sharp MX-M1204 vs. Xerox D125 C/P
- Sharp MX-M1054 vs. Canon imagePRESS 1110
- Sharp MX-M1054 vs. Canon imageRUNNER ADVANCE 8105 PRO
- Sharp MX-M1054 vs. Konica Minolta bizhub PRO 1052
- Sharp MX-M1054 vs. Oce VarioPrint DP 110
- Sharp MX-M1054 vs. Ricoh PRO 1107EX
- Sharp MX-M1054 vs. Xerox D110 C/P
- Sharp MX-M904 vs. Canon imageRUNNER ADVANCE 8085 PRO
- Sharp MX-M904 vs. Canon imageRUNNER ADVANCE 8095 PRO
- Sharp MX-M904 vs. Konica Minolta bizhub PRO 951
- Sharp MX-M904 vs. Ricoh PRO 907EX
- Sharp MX-M904 vs. Ricoh Aficio MP 9001SP
- Sharp MX-M904 vs. Toshiba e-Studio 856SE
- Sharp MX-M904 vs. Xerox D95 C/P
- Sharp MX-M904 vs. Xerox WorkCentre 5790A

The above list is covered by one page per product vs. product comparisons in this section. The feature advantages are translated into application benefits. These points can be used to describe the sales arguments on what the strengths of the MX-M1204 / MX-M1054 / MX-M904 are.

■ Sharp MX-M1204 vs. Canon imagePRESS 1125



Manufacturer	Sharp	Canon
Model	**MX-M1204**	**imagePRESS 1125**
Launch Date	Aug-12	Feb-09
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Opt.**
Network Printer	Std.	Std.
Network Scanning	Std.	Opt.
Fax	Opt.	No
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	1
Total Cassettes Max.	8	10
Total Sheets Std	3,100	2,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	14,000 (incl. 3 x POD Decks)
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	N/A
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 300 / N/A
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 300)
Warm up time (secs)	210	510
Std. / Max. Memory	5GB / 5GB (shared)	1GB / 1GB (shared)
Hard Drive	1TB (Terabyte)	80GB
Weight (kg)	295	500
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1,387 x 809 x 1,040 (excluding UI)
Toner Life (6%)	120k	69k
Developer / Drum Life	1,000k / 1,000k	Not stated / 6,000k
Copier	**Std.**	**Opt.**
Speed (cpm)	120	125
First Copy Time (secs)	3.2	Not stated
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 - 400

Manufacturer	Sharp	Canon
Model	**MX-M1204**	**imagePRESS 1125**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	300
Paper weight (gsm) 1-sided	38 – 205	50 – 220
Paper weight (gsm) 2-sided	52 – 205	50 – 220
Network Printer	**Std.**	**Std.**
Speed (ppm)	120	125
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Not stated
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	imagePRESS Server J200, J100 imagePRESS Printer Kit-A1
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Opt.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	120 / 200 (B&W) 80 / 80 (Colour)
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	PDF, E-mail, FTP, SMB, I-Fax, URL, HDD
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	Finisher-AF1
Saddle Finishers	1 x 100-sheet (MX-FN22)	Saddle Finisher-AF2
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Multi-Document Insertion Unit-A1
C-Fold / Z-Fold	Opt. (with MX-FD10)	Paper Folding Unit-F1
Trimmer	Opt. (with MX-FN22)	Booklet Trimmer-D1 Two-Knife Booklet Trimmer-A1 Inner Booklet Trimmer-A1
High Capacity Stacker	Opt. (with MX-ST10)	High Capacity Stacker-E1
Paper Cart	Opt. (with MX-CA10)	Yes
GBC	Opt.	Professional Puncher-B1
Plockmatic (Other)	Opt.	No (Perfect Binder Booklet-Maker)

Strengths of MX-M1204

- ✓ Std. Multifunction capabilities (Copy/Scan)
- ✓ Optional Fax
- ✓ Std. Document Filing & Document Feeder
- ✓ More std. paper cassettes available
- ✓ Higher std. paper input capacity
- ✓ More memory (std. & max.)
- ✓ Larger HDD
- ✓ Lighter (weight and smaller footprint
- ✓ Larger toner cartridge
- ✓ Faster scan speeds (colour)
- ✓ Faster warm-up
- ✓ Higher copy resolution

Strengths of Canon imagePRESS 1125

- ✓ Faster output speeds
- ✓ More max. paper cassettes available
- ✓ Higher max. paper input capacity
- ✓ Wider paper weight support (trays / duplex)
- ✓ Longer drum life
- ✓ Larger Document Feeder
- ✓ Wider paper weight support via Document Feeder (Duplex)
- ✓ Optional Print Servers – wider customer choice
- ✓ More booklet trimming options
- ✓ Optional Perfect Binder Booklet-Maker

■ Sharp MX-M1204 vs. Konica Minolta bizhub PRO 1250

Manufacturer	Sharp	Konica Minolta
Model	**MX-M1204**	**bizhub PRO 1250**
Launch Date	Aug-12	Coming Soon
Also Sold As	N/A	DEVELOP ineo 1250
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	2
Total Cassettes Max.	8	8
Total Sheets Std.	3,100	3,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	18,000
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	N/A
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	40 – 350 / N/A
Duplex (gsm)	Std. (60 - 220)	Std. (50 – 300)
Warm up time (secs)	210	420
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	250GB
Weight (kg)	295	375
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	990 x 780 x 1,233
Toner Life (6%)	120k	Not stated
Developer / Drum Life	1,000k / 1,000k	Not stated / Not stated
Copier	**Std.**	**Std.**
Speed (cpm)	120	125
First Copy Time (secs)	3.2	2.8
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Konica Minolta
Model	**MX-M1204**	**bizhub PRO 1250**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	Not stated
Paper weight (gsm) 2-sided	52 – 205	Not stated
Network Printer	**Std.**	**Std.**
Speed (ppm)	120	125
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Not stated
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	No
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	105 / 105
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	TWAIN, HDD, FTP, SMB, E-Mail
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	Stapling Unit FS-532
Saddle Finishers	1 x 100-sheet (MX-FN22)	Saddle Stitching Kit SD-510 (for FS-532) Booklet-Making Unit SD-506
Hole Punch	Opt.	Punch Kit PK-505 (for FS-532)
Inserter	Opt. (with MX-CF11)	Post-Inserter Kit PI-502 (for FS-532)
C-Fold / Z-Fold	Opt. (with MX-FD10)	Folding & Punching Unit FD-503
Trimmer	Opt. (with MX-FN22)	Yes (in SD-506)
High Capacity Stacker	Opt. (with MX-ST10)	Stacking Unit LS-505
Paper Cart	Opt. (with MX-CA10)	Yes
GBC	Opt.	Smart (GBC) punching unit GP-501
Plockmatic (Other)	Opt.	No (Perfect Binding Unit PB-503)

Strengths of MX-M1204

- ✓ Optional Fax
- ✓ Std. Document Filing
- ✓ More std. paper cassettes available
- ✓ Higher std paper input capacity
- ✓ Faster warm-up time
- ✓ More memory (std. & max.)
- ✓ Larger HDD
- ✓ Lighter (weight)
- ✓ Std. Document Feeder
- ✓ Larger Document Feeder
- ✓ Faster scan speeds (colour and B&W)
- ✓ Higher copy resolution

Strengths of Konica Minolta bizhub PRO 1250

- ✓ Faster output speeds
- ✓ Higher max. paper input capacity
- ✓ Wider paper weight support (trays / duplex)
- ✓ Smaller footprint
- ✓ Faster FCOT
- ✓ Optional Perfect Binder Booklet-Maker

■ Sharp MX-M1204 vs. Oce VarioPrint DP 120

Manufacturer	Sharp	Oce
Model	**MX-M1204**	**VarioPrint DP 120**
Launch Date	Aug-12	Sep-11
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Opt.
Fax	Opt.	No
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	8
Total Sheets Std.	3,100	4,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,600
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	N/A
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	50 – 300 / N/A
Duplex (gsm)	Std. (60 - 220)	Std. (50 – 300)
Warm up time	210 secs	150 secs
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	160GB
Weight (kg)	295	263
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1130 x 765 x 1430 (including UI)
Toner Life (6%)	120k	48k
Developer / Drum Life	1,000k / 1,000k	Not stated / Not stated
Copier	**Std.**	**Opt.**
Speed (cpm)	120	120
First Copy Time (secs)	3.2	3.9
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 1200
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Oce
Model	**MX-M1204**	**VarioPrint DP 120**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	300
Paper weight (gsm) 1-sided	38 – 205	38 – 220
Paper weight (gsm) 2-sided	52 – 205	50 – 220
Network Printer	**Std.**	**Std.**
Speed (ppm)	120	123
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200 (PS3) 600 x 600 (PCL)
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	No
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Opt.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	100 / 100
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	E-Mail, DocBox, FTP, USB
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	Finisher-AF1
Saddle Finishers	1 x 100-sheet (MX-FN22)	Saddle Finisher-AF2
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Document Insertion Unit-F1
C-Fold / Z-Fold	Opt. (with MX-FD10)	Paper Folding Unit-F1
Trimmer	Opt. (with MX-FN22)	Booklet Trimmer-D1 Two-Knife Booklet Trimmer-A1
High Capacity Stacker	Opt. (with MX-ST10)	High Capacity Stacker-E1
Paper Cart	Opt. (with MX-CA10)	Yes
GBC	Opt.	No
Plockmatic (Other)	Opt.	No (Perfect Binder Booklet-Maker)

Strengths of MX-M1204

- ✓ Std. Multifunction capabilities (Copy/Scan)
- ✓ Optional Fax
- ✓ Std. Document Filing
- ✓ Higher max. paper input capacity
- ✓ More memory (std. & max.)
- ✓ Larger HDD
- ✓ Smaller footprint
- ✓ Larger toner cartridge
- ✓ Faster FCOT
- ✓ Std. Document Feeder
- ✓ Faster scan speeds (colour and B&W)
- ✓ Optional GBC Smartpunch
- ✓ Higher copy resolution

Strengths of Oce VarioPrint DP 120

- ✓ Higher std. paper input capacity
- ✓ Wider paper weight support (trays / duplex)
- ✓ Faster warm-up time
- ✓ Lighter (weight)
- ✓ Larger Document Feeder
- ✓ Heavier paper weight support via Document Feeder (Simplex & Duplex)
- ✓ Std. XPS support
- ✓ More booklet trimming options
- ✓ Optional Perfect Binder Booklet-Maker
- ✓ Faster printer speed

■ Sharp MX-M1204 vs. Ricoh PRO 1357EX

Manufacturer	Sharp	Ricoh
Model	**MX-M1204**	**PRO 1357EX**
Launch Date	Aug-12	May-09
Also Sold As	N/A	Infotec Pro 1357EX Nashuatec Pro 1357EX Rex-Rotary Pro 1357EX
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	7
Total Sheets Std.	3,100	3,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,050
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	500
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 216 / 40 – 300
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 256)
Warm up time (secs)	210	360
Std. / Max. Memory	5GB / 5GB (shared)	512MB / 1.5GB (shared)
Hard Drive	1TB (Terabyte)	320GB
Weight (kg)	295	315
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	870 x 858 x 1,476
Toner Life (6%)	120k	60k
Developer / Drum Life	1,000k / 1,000k	500k / 2,500k
Copier	**Std.**	**Std.**
Speed (cpm)	120	135
First Copy Time (secs)	3.2	3.0
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Ricoh
Model	**MX-M1204**	**PRO 1357EX**
Document Feeder	**Std.**	**Std.**
Type	DSPF	RADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	40 – 128
Paper weight (gsm) 2-sided	52 – 205	40 – 128
Network Printer	**Std.**	**Std.**
Speed (ppm)	120	135
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Opt. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Opt.
USB	Std.	Std.
Fiery	No	Opt.
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	80 / 80
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	FTP, SMB, E-Mail, HDD, URL
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	1 x 100-sheet
Saddle Finishers	1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	Opt.
High Capacity Stacker	Opt. (with MX-ST10)	Opt.
Paper Cart	Opt. (with MX-CA10)	Opt.
GBC	Opt.	Opt.
Plockmatic (Other)	Opt.	Opt. (Perfect Binder)

Strengths of MX-M1204	Strengths of Ricoh PRO 1357EX
✓ Optional Fax	✓ Faster output speeds
✓ More max. paper cassettes available	✓ Lighter paper weight support (trays/bypass)
✓ Higher std. & max. paper input capacity	✓ Wider paper weight support (duplex)
✓ Heavier paper weight support (trays)	✓ Smaller footprint
✓ Faster warm-up time	✓ Longer drum life
✓ More memory (std. & max.)	✓ Faster FCOT
✓ Larger HDD	✓ Std. XPS support
✓ Lighter (weight)	✓ Optional Fiery Print Server – wider customer choice
✓ Larger Toner & Developer Life	✓ Optional Perfect Binder Booklet-Maker
✓ Larger Document Feeder with heavier paper support (simplex & duplex)	
✓ Std. PS3 & Gigabit Ethernet	
✓ Faster scan speeds (colour and B&W)	
✓ Higher copy resolution	

■ Sharp MX-M1204 vs. Xerox D125 C/P

Manufacturer	Sharp	Xerox
Model	**MX-M1204**	**D125 C/P**
Launch Date	Aug-12	Mar-12
Also Sold As	N/A	Fuji Xerox
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	6
Total Sheets Std.	3,100	4.050
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,050
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	250
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 216 / 52 – 253
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 216)
Warm up time (secs)	210	360
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	80GB
Weight (kg)	295	Not stated
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	Not stated
Toner Life (6%)	120k	65k
Developer / Drum Life	1,000k / 1,000k	600k / 500k
Copier	**Std.**	**Std.**
Speed (cpm)	120	125
First Copy Time (secs)	3.2	3.0
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Xerox
Model	**MX-M1204**	**D125 C/P**
Document Feeder	**Std.**	**Std.**
Type	DSPF	DADF
Capacity (sheets)	250	250
Paper weight (gsm) 1-sided	38 – 205	52 – 200
Paper weight (gsm) 2-sided	52 – 205	52 – 200
Network Printer	**Std.**	**Std.**
Speed (ppm)	120	125
Print Resolution (dpi)	1,200 x 1,200	2,400 x 2,400
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	No
USB	Std.	Std.
Fiery	No	Opt. EFI Fiery Opt. Xerox FreeFlow
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	200 / 200
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	Desktop, FTP, SMB, HDD, E-Mail, USB
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	1 x 100-sheet
Saddle Finishers	1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	Opt.
High Capacity Stacker	Opt. (with MX-ST10)	Opt.
Paper Cart	Opt. (with MX-CA10)	Opt.
GBC	Opt.	Opt.
Plockmatic (Other)	Opt.	Opt. (Tape Binder)

Strengths of MX-M1204	Strengths of Xerox D125 C/P
✓ Optional Fax	✓ Faster output speeds
✓ More max. paper cassettes available	✓ Higher std. paper input capacity
✓ Higher max. paper input capacity	✓ Lighter paper weight support (trays/duplex)
✓ Larger multi-bypass for LCT	✓ Faster FCOT
✓ Heavier paper weight support (trays/bypass/duplex)	✓ Higher print resolution
✓ Faster warm-up time	✓ Std. XPS support
✓ More memory (std. & max.)	✓ Optional Fiery & FreeFlow Print Servers – wider customer choice
✓ Larger HDD	✓ Faster Simplex Scan speed
✓ Larger Toner, Developer & Drum Life	✓ Optional Tape Binder
✓ Wider paper support via Document Feeder (Simplex)	
✓ Heavier paper support via document feeder (duplex)	
✓ Gigabit Ethernet	
✓ Higher copy resolution	

■ Sharp MX-M1054 vs. Canon imagePRESS 1110

Manufacturer	Sharp	Canon
Model	**MX-M1054**	**imagePRESS 1110**
Launch Date	Aug-12	Feb-09
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Opt.**
Network Printer	Std.	Std.
Network Scanning	Std.	Opt.
Fax	Opt.	No
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	1
Total Cassettes Max.	8	7
Total Sheets Std.	3,100	2,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	10,000 (incl. 2 x POD Decks)
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	N/A
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 300 / N/A
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 300)
Warm up time (secs)	210	510
Std. / Max. Memory	5GB / 5GB (shared)	1GB / 1GB (shared)
Hard Drive	1TB (Terabyte)	80GB
Weight (kg)	295	500
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1,387 x 809 x 1,040 (excluding UI)
Toner Life (6%)	120k	69k
Developer / Drum Life	1,000k / 1,000k	Not stated / 6,000k
Copier	**Std.**	**Opt.**
Speed (cpm)	105	110
First Copy Time (secs)	3.2	Not stated
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 - 400

Manufacturer	Sharp	Canon
Model	**MX-M1054**	**imagePRESS 1110**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	300
Paper weight (gsm) 1-sided	38 – 205	50 – 220
Paper weight (gsm) 2-sided	52 – 205	50 – 220
Network Printer	**Std.**	**Std.**
Speed (ppm)	105	110
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Not stated
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	imagePRESS Server J200, J100 imagePRESS Printer Kit-A1
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Opt.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	120 / 200 (B&W) 80 / 80 (Colour)
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	PDF, E-mail, FTP, SMB, I-Fax, URL, HDD
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	Finisher-AF1
Saddle Finishers	1 x 100-sheet (MX-FN22)	Saddle Finisher-AF2
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Multi-Document Insertion Unit-A1 Document Insertion Unit-F1
C-Fold / Z-Fold	Opt. (with MX-FD10)	Paper Folding Unit-F1
Trimmer	Opt. (with MX-FN22)	Booklet Trimmer-D1 Two-Knife Booklet Trimmer-A1 Inner Booklet Trimmer-A1
High Capacity Stacker	Opt. (with MX-ST10)	High Capacity Stacker-E1
Paper Cart	Opt. (with MX-CA10)	Yes
GBC	Opt.	Professional Puncher-B1
Plockmatic (Other)	Opt.	No (Perfect Binder Booklet-Maker)

Strengths of MX-M1054

- ✓ Std. Multifunction capabilities (Copy/Scan)
- ✓ Optional Fax
- ✓ Std. Document Filing & Document Feeder
- ✓ More std. & max. paper cassettes available
- ✓ Higher std. & max. paper input capacity
- ✓ More memory (std. & max.) & Larger HDD
- ✓ Lighter (weight) & Smaller footprint
- ✓ Larger toner cartridge
- ✓ Faster scan speeds (colour)
- ✓ Higher copy resolution

Strengths of Canon imagePRESS 1110

- ✓ Faster output speeds
- ✓ Wider paper weight support (trays / duplex)
- ✓ Longer drum life
- ✓ Larger Document Feeder
- ✓ Wider paper weight support via Document Feeder (Duplex)
- ✓ Optional Print Servers – wider customer choice
- ✓ More booklet trimming options
- ✓ Optional Perfect Binder Booklet-Maker

■ Sharp MX-M1054 vs. Canon imageRUNNER ADVANCE 8105 PRO

Manufacturer	Sharp	Canon
Model	**MX-M1054**	**iR ADVANCE 8105 PRO**
Launch Date	Aug-12	Feb-11
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	Opt.
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	6
Total Sheets Std.	3,100	4,200
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	7,700
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	100
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 220 / 52 – 256
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 220)
Warm up time (secs)	21	60
Std. / Max. Memory	5GB / 5GB (shared)	1.5GB / 1.5GB (shared)
Hard Drive	1TB (Terabyte)	Std. 80GB (expandable to 250GB)
Weight (kg)	295	242 (with Document Feeder)
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1,170 x 770 x 1,252
Toner Life (6%)	120k	70k
Developer / Drum Life	1,000k / 1,000k	Not stated / 6,000k
Copier	**Std.**	**Std.**
Speed (cpm)	105	105
First Copy Time (secs)	3.2	2.7
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x1,200	1,200 x 1,200
Zoom Range (%)	25 - 400	25 - 400

Manufacturer	Sharp	Canon
Model	**MX-M1054**	**iR ADVANCE 8105 PRO**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	300
Paper weight (gsm) 1-sided	38 – 205	38 – 220
Paper weight (gsm) 2-sided	52 – 205	50 – 220
Network Printer	**Std.**	**Std.**
Speed (ppm)	105	105
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Opt. (Adobe)
PCL	Std.	Opt.
XPS	Opt.	Opt.
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	imagePASS-U1
Fax (Type)	**Opt. (Super G3)**	**Opt. (Super G3)**
PC-Fax / i-Fax	Yes / Opt.	Yes / Opt.
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	120 / 200 (B&W) 85 / 100 (Colour)
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	E-mail, FTP, SMB, I-Fax, URL, HDD
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	Staple Finisher-D1 Staple Finisher-F1 PRO
Saddle Finishers	1 x 100-sheet (MX-FN22)	Booklet Finisher-D1 Booklet Finisher-F1 PRO
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Document Inserter Unit-K1
C-Fold / Z-Fold	Opt. (with MX-FD10)	Paper Folding Unit-H1
Trimmer	Opt. (with MX-FN22)	Inner Booklet Trimmer-A1 Booklet Trimmer-D1
High Capacity Stacker	Opt. (with MX-ST10)	No
Paper Cart	Opt. (with MX-CA10)	No
GBC	Opt.	Professional Puncher-C1
Plockmatic (Other)	Opt.	No

Strengths of MX-M1054

- ✓ Std. Document Filing
- ✓ More max. paper cassettes available
- ✓ Higher max. paper input capacity
- ✓ Larger multi-bypass option
- ✓ Heavier paper weight support (bypass)
- ✓ More memory (std. & max.)
- ✓ Larger HDD
- ✓ Smaller footprint
- ✓ Larger toner cartridge
- ✓ Std. Document Feeder
- ✓ Std. PCL & PS3
- ✓ Faster scan speeds (colour)
- ✓ Optional High Capacity Stacker and Cart
- ✓ Optional Plockmatic Booklet-Maker

Strengths of Canon imageRUNNER ADVANCE 8105 PRO

- ✓ Higher std. paper input capacity
- ✓ Lighter paper weight support (trays / duplex)
- ✓ Faster warm-up time
- ✓ Lighter (weight)
- ✓ Longer drum life
- ✓ Faster FCOT
- ✓ Larger Document Feeder
- ✓ Wider paper weight support via Document Feeder (Duplex)
- ✓ Optional Print Server – wider customer choice
- ✓ More booklet trimming options

■ Sharp MX-M1054 vs. Konica Minolta bizhub PRO 1052

Manufacturer	Sharp	Konica Minolta
Model	**MX-M1054**	**bizhub PRO 1052**
Launch Date	Aug-12	Coming Soon
Also Sold As	N/A	DEVELOP ineo 1052
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	2
Total Cassettes Max.	8	8
Total Sheets Std.	3,100	3,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	18,000
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	N/A
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	40 – 350 / N/A
Duplex (gsm)	Std. (60 - 220)	Std. (50 – 300)
Warm up time (secs)	210	420
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	250GB
Weight (kg)	295	375
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	990 x 780 x 1,233
Toner Life (6%)	120k	Not stated
Developer / Drum Life	1,000k / 1,000k	Not stated / Not stated
Copier	**Std.**	**Std.**
Speed (cpm)	105	105
First Copy Time (secs)	3.2	2.8
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Konica Minolta
Model	**MX-M1054**	**bizhub PRO 1052**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	Not stated
Paper weight (gsm) 2-sided	52 – 205	Not stated
Network Printer	**Std.**	**Std.**
Speed (ppm)	105	105
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Not stated
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	No
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	105 / 105
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	TWAIN, HDD, FTP, SMB, E-Mail
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	Stapling Unit FS-532
Saddle Finishers	1 x 100-sheet (MX-FN22)	Saddle Stitching Kit SD-510 (for FS-532) Booklet-Making Unit SD-506
Hole Punch	Opt.	Punch Kit PK-505 (for FS-532)
Inserter	Opt. (with MX-CF11)	Post-Inserter Kit PI-502 (for FS-532)
C-Fold / Z-Fold	Opt. (with MX-FD10)	Folding & Punching Unit FD-503
Trimmer	Opt. (with MX-FN22)	Yes (in SD-506)
High Capacity Stacker	Opt. (with MX-ST10)	Stacking Unit LS-505
Paper Cart	Opt. (with MX-CA10)	Yes
GBC	Opt.	Smart (GBC) punching unit GP-501
Plockmatic (Other)	Opt.	No (Perfect Binding Unit PB-503)

Strengths of MX-M1054

- ✓ Optional Fax
- ✓ Std. Document Filing
- ✓ More std. paper cassettes available
- ✓ Higher std. paper input capacity
- ✓ Faster warm-up time
- ✓ More memory (std. & max.)
- ✓ Larger HDD
- ✓ Lighter (weight)
- ✓ Std. Document Feeder
- ✓ Larger Document Feeder
- ✓ Faster scan speeds (colour and B&W)
- ✓ Higher copy resoluition

Strengths of Konica Minolta bizhub PRO 1052

- ✓ Higher max. paper input capacity
- ✓ Wider paper weight support (trays / duplex)
- ✓ Smaller footprint
- ✓ Faster FCOT
- ✓ Optional Perfect Binder Booklet-Maker

■ Sharp MX-M1054 vs. Oce VarioPrint DP 110

Manufacturer	Sharp	Oce
Model	**MX-M1054**	**VarioPrint DP 110**
Launch Date	Aug-12	Sep-11
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Opt.
Fax	Opt.	No
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	8
Total Sheets Std.	3,100	4,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,600
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	N/A
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	50 – 300 / N/A
Duplex (gsm)	Std. (60 - 220)	Std. (50 – 300)
Warm up time (secs)	210	150
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	160GB
Weight (kg)	295	263
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1130 x 765 x 1430 (including UI)
Toner Life (6%)	120k	48k
Developer / Drum Life	1,000k / 1,000k	Not stated / Not stated
Copier	**Std.**	**Opt.**
Speed (cpm)	105	110
First Copy Time (secs)	3.2	3.9
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 1200
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Oce
Model	**MX-M1054**	**VarioPrint DP 110**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	300
Paper weight (gsm) 1-sided	38 – 205	38 – 220
Paper weight (gsm) 2-sided	52 – 205	50 – 220
Network Printer	**Std.**	**Std.**
Speed (ppm)	105	113
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200 (PS3) 600 x 600 (PCL)
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	No
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Opt.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	100 / 100
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	E-Mail, DocBox, FTP, USB
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	Finisher-AF1
Saddle Finishers	1 x 100-sheet (MX-FN22)	Saddle Finisher-AF2
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Document Insertion Unit-F1
C-Fold / Z-Fold	Opt. (with MX-FD10)	Paper Folding Unit-F1
Trimmer	Opt. (with MX-FN22)	Booklet Trimmer-D1 Two-Knife Booklet Trimmer-A1
High Capacity Stacker	Opt. (with MX-ST10)	High Capacity Stacker-E1
Paper Cart	Opt. (with MX-CA10)	Yes
GBC	Opt.	No
Plockmatic (Other)	Opt.	No (Perfect Binder Booklet-Maker)

Strengths of MX-M1054	Strengths of Oce VarioPrint DP 110
✓ Std. Multifunction capabilities (Copy/Scan)	✓ Faster output speeds
✓ Optional Fax	✓ Higher std. paper input capacity
✓ Std. Document Filing	✓ Wider paper weight support (trays / duplex)
✓ Higher max. paper input capacity	✓ Faster warm-up time
✓ More memory (std. & max.)	✓ Lighter (weight)
✓ Larger HDD	✓ Larger Document Feeder
✓ Smaller footprint	✓ Heavier paper weight support via Document Feeder (Simplex & Duplex)
✓ Larger toner cartridge	✓ Std. XPS support
✓ Faster FCOT	✓ More booklet trimming options
✓ Std. Document Feeder	✓ Optional Perfect Binder Booklet-Maker
✓ Faster scan speeds (colour and B&W)	
✓ Optional GBC Smartpunch	
✓ Higher copy resolution	

■ Sharp MX-M1054 vs. Ricoh PRO 1107EX

Manufacturer	Sharp	Ricoh
Model	**MX-M1054**	**PRO 1107EX**
Launch Date	Aug-12	May-09
Also Sold As	N/A	Infotec Pro 1107EX Nashuatec Pro 1107EX Rex-Rotary Pro 1107EX
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	7
Total Sheets Std.	3,100	3,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,050
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	500
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 216 / 40 – 300
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 256)
Warm up time (secs)	210 secs	360 secs
Std. / Max. Memory	5GB / 5GB (shared)	512MB / 1.5GB (shared)
Hard Drive	1TB (Terabyte)	320GB
Weight (kg)	295	315
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	870 x 858 x 1,476
Toner Life (6%)	120k	60k
Developer / Drum Life	1,000k / 1,000k	500k / 2,500k
Copier	**Std.**	**Std.**
Speed (cpm)	105	110
First Copy Time (secs)	3.2	3.2
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Ricoh
Model	**MX-M1054**	**PRO 1107EX**
Document Feeder	**Std.**	**Std.**
Type	DSPF	RADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	40 – 128
Paper weight (gsm) 2-sided	52 – 205	40 – 128
Network Printer	**Std.**	**Std.**
Speed (ppm)	105	110
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Opt. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Opt.
USB	Std.	Std.
Fiery	No	Opt.
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	80 / 80
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	FTP, SMB, E-Mail, HDD, URL
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	1 x 100-sheet
Saddle Finishers	1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	Opt.
High Capacity Stacker	Opt. (with MX-ST10)	Opt.
Paper Cart	Opt. (with MX-CA10)	Opt.
GBC	Opt.	Opt.
Plockmatic (Other)	Opt.	Opt. (Perfect Binder)

Strengths of MX-M1054	Strengths of Ricoh PRO 1107EX
✓ Optional Fax	✓ Faster output speeds
✓ More max. paper cassettes available	✓ Lighter paper weight support (trays/bypass)
✓ Higher std. & max. paper input capacity	✓ Wider paper weight support (duplex)
✓ Heavier paper weight support (trays)	✓ Smaller footprint
✓ Faster warm-up time	✓ Longer drum life
✓ More memory (std. & max.)	✓ Std. XPS support
✓ Larger HDD	✓ Optional Fiery Print Server – wider customer choice
✓ Lighter (weight)	✓ Optional Perfect Binder Booklet-Maker
✓ Larger Toner & Developer Life	
✓ Larger Document Feeder with heavier paper support (simplex & duplex)	
✓ Std. PS3 & Gigabit Ethernet	
✓ Faster scan speeds (colour and B&W)	
✓ Higher copy resolution	

■ Sharp MX-M1054 vs. Xerox D110 C/P

Manufacturer	Sharp	Xerox
Model	**MX-M1054**	**D110 C/P**
Launch Date	Aug-12	Mar-12
Also Sold As	N/A	Fuji Xerox
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	6
Total Sheets Std.	3,100	4,050
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,050
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	250
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 216 / 52 – 253
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 216)
Warm up time (secs)	210	360
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	80GB
Weight (kg)	295	Not stated
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	Not stated
Toner Life (6%)	120k	65k
Developer / Drum Life	1,000k / 1,000k	600k / 500k
Copier	**Std.**	**Std.**
Speed (cpm)	105	110
First Copy Time (secs)	3.2	3.0
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Xerox
Model	**MX-M1054**	**D110 C/P**
Document Feeder	**Std.**	**Std.**
Type	DSPF	DADF
Capacity (sheets)	250	250
Paper weight (gsm) 1-sided	38 – 205	52 – 200
Paper weight (gsm) 2-sided	52 – 205	52 – 200
Network Printer	**Std.**	**Std.**
Speed (ppm)	105	110
Print Resolution (dpi)	1,200 x 1,200	2,400 x 2,400
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	No
USB	Std.	Std.
Fiery	No	Opt. EFI Fiery Opt. Xerox FreeFlow
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	200 / 200
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	Desktop, FTP, SMB, HDD, E-Mail, USB
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 100-sheet (MX-FN21)	1 x 100-sheet
Saddle Finishers	1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	Opt.
High Capacity Stacker	Opt. (with MX-ST10)	Opt.
Paper Cart	Opt. (with MX-CA10)	Opt.
GBC	Opt.	Opt.
Plockmatic (Other)	Opt.	Opt. (Tape Binder)

Strengths of MX-M1054	Strengths of Xerox D110 C/P
✓ Optional Fax	✓ Faster output speeds
✓ More max. paper cassettes available	✓ Higher std. paper input capacity
✓ Higher max. paper input capacity	✓ Lighter paper weight support (trays/duplex)
✓ Larger multi-bypass for LCT	✓ Faster FCOT
✓ Heavier paper weight support (trays/bypass/duplex)	✓ Higher print resolution
✓ Faster warm-up time	✓ Std. XPS support
✓ More memory (std. & max.)	✓ Optional Fiery & FreeFlow Print Servers – wider customer choice
✓ Larger HDD	✓ Faster Simplex Scan speed
✓ Larger Toner, Developer & Drum Life	✓ Optional Tape Binder
✓ Wider paper support via Document Feeder (Simplex)	
✓ Heavier paper support via document feeder (duplex)	
✓ Gigabit Ethernet	
✓ Higher copy resolution	

Sharp MX-M904 vs. Canon imageRUNNER ADVANCE 8085 PRO

Manufacturer	Sharp	Canon
Model	**MX-M904**	**iR ADVANCE 8085 PRO**
Launch Date	Aug-12	Feb-11
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	Opt.
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	6
Total Sheets Std.	3,100	3,200
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	7,700
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	100
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 220 / 52 – 256
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 220)
Warm up time (secs)	210	60
Std. / Max. Memory	5GB / 5GB (shared)	1.5GB / 1.5GB (shared)
Hard Drive	1TB (Terabyte)	Std. 80GB (expandable to 250GB)
Weight (kg)	295	242 (with Document Feeder)
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1,170 x 770 x 1,252
Toner Life (6%)	120k	70k
Developer / Drum Life	1,000k / 1,000k	Not stated / 6,000k
Copier	**Std.**	**Std.**
Speed (cpm)	90	85
First Copy Time (secs)	4.0	2.7
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 - 400

Manufacturer	Sharp	Canon
Model	**MX-M904**	**iR ADVANCE 8085 PRO**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	300
Paper weight (gsm) 1-sided	38 – 205	38 – 220
Paper weight (gsm) 2-sided	52 – 205	50 – 220
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	85
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Opt. (Adobe)
PCL	Std.	Opt.
XPS	Opt.	Opt.
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	imagePASS-U1
Fax (Type)	**Opt. (Super G3)**	**Opt. (Super G3)**
PC-Fax / i-Fax	Yes / Opt.	Yes / Opt.
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	120 / 200 (B&W) 85 / 100 (Colour)
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	E-mail, FTP, SMB, I-Fax, URL, HDD
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	Staple Finisher-D1 Staple Finisher-F1 PRO
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	Booklet Finisher-D1 Booklet Finisher-F1 PRO
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Document Inserter Unit-K1
C-Fold / Z-Fold	Opt. (with MX-FD10)	Paper Folding Unit-H1
Trimmer	Opt. (with MX-FN22)	Inner Booklet Trimmer-A1 Booklet Trimmer-D1
High Capacity Stacker	Opt. (with MX-ST10)	No
Paper Cart	Opt. (with MX-CA10)	No
GBC	Opt.	Professional Puncher-C1
Plockmatic (Other)	Opt.	No

Strengths of MX-M904

- ✓ Faster output speeds
- ✓ Std. Document Filing & Document Feeder
- ✓ More max. paper cassettes available
- ✓ Higher max. paper input capacity
- ✓ Larger multi-bypass option
- ✓ Heavier paper weight support (bypass)
- ✓ More memory (std. & max.) & Larger HDD
- ✓ Smaller footprint
- ✓ Larger toner cartridge
- ✓ Std. PCL & PS3
- ✓ Faster scan speeds (colour)
- ✓ Optional High Capacity Stacker, Cart & Plockmatic Booklet-Maker
- ✓ Higher copy resolution

Strengths of Canon imageRUNNER ADVANCE 8085 PRO

- ✓ Higher std. paper input capacity
- ✓ Lighter paper weight support (trays / duplex)
- ✓ Faster warm-up time
- ✓ Lighter (weight)
- ✓ Longer drum life
- ✓ Faster FCOT
- ✓ Larger Document Feeder
- ✓ Wider paper weight support via Document Feeder (Duplex)
- ✓ Optional Print Server – wider customer choice
- ✓ More booklet trimming options

■ Sharp MX-M904 vs. Canon imageRUNNER ADVANCE 8095 PRO

Manufacturer	Sharp	Canon
Model	**MX-M904**	**iR ADVANCE 8095 PRO**
Launch Date	Aug-12	Feb-11
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	Opt.
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	6
Total Sheets Std.	3,100	4,200
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	7,700
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	100
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 220 / 52 – 256
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 220)
Warm up time (secs)	210	60
Std. / Max. Memory	5GB / 5GB (shared)	1.5GB / 1.5GB (shared)
Hard Drive	1TB (Terabyte)	Std. 80GB (expandable to 250GB)
Weight (kg)	295	242 (with Document Feeder)
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1,170 x 770 x 1,252
Toner Life (6%)	120k	70k
Developer / Drum Life	1,000k / 1,000k	Not stated / 6,000k
Copier	**Std.**	**Std.**
Speed (cpm)	90	95
First Copy Time (secs)	4.0	2.7
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 - 400

Manufacturer	Sharp	Canon
Model	**MX-M904**	**iR ADVANCE 8095 PRO**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	300
Paper weight (gsm) 1-sided	38 – 205	38 – 220
Paper weight (gsm) 2-sided	52 – 205	50 – 220
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	95
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Opt. (Adobe)
PCL	Std.	Opt.
XPS	Opt.	Opt.
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	imagePASS-U1
Fax (Type)	**Opt. (Super G3)**	**Opt. (Super G3)**
PC-Fax / i-Fax	Yes / Opt.	Yes / Opt.
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	120 / 200 (B&W) 85 / 100 (Colour)
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	E-mail, FTP, SMB, I-Fax, URL, HDD
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	Staple Finisher-D1 Staple Finisher-F1 PRO
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	Booklet Finisher-D1 Booklet Finisher-F1 PRO
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Document Inserter Unit-K1
C-Fold / Z-Fold	Opt. (with MX-FD10)	Paper Folding Unit-H1
Trimmer	Opt. (with MX-FN22)	Inner Booklet Trimmer-A1 Booklet Trimmer-D1
High Capacity Stacker	Opt. (with MX-ST10)	No
Paper Cart	Opt. (with MX-CA10)	No
GBC	Opt.	Professional Puncher-C1
Plockmatic (Other)	Opt.	No

Strengths of MX-M904

- ✓ Std. Document Filing & Document Feeder
- ✓ More max. paper cassettes available
- ✓ Higher max. paper input capacity
- ✓ Larger multi-bypass option
- ✓ Heavier paper weight support (bypass)
- ✓ More memory (std. & max.) & Larger HDD
- ✓ Smaller footprint
- ✓ Larger toner cartridge
- ✓ Std. PCL & PS3
- ✓ Faster scan speeds (colour)
- ✓ Optional High Capacity Stacker and Cart
- ✓ Optional Plockmatic Booklet-Maker
- ✓ Higher copy resolution

Strengths of Canon imageRUNNER ADVANCE 8095 PRO

- ✓ Faster output speeds
- ✓ Higher std. paper input capacity
- ✓ Lighter paper weight support (trays / duplex)
- ✓ Faster warm-up time
- ✓ Lighter (weight)
- ✓ Longer drum life
- ✓ Faster FCOT
- ✓ Larger Document Feeder
- ✓ Wider paper weight support via Document Feeder (Duplex)
- ✓ Optional Print Server – wider customer choice
- ✓ More booklet trimming options

■ Sharp MX-M904 vs. Konica Minolta bizhub PRO 951

Manufacturer	Sharp	Konica Minolta
Model	**MX-M904**	**bizhub PRO 951**
Launch Date	Aug-12	Apr-12
Also Sold As	N/A	Develop ineo 951
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Opt.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	2
Total Cassettes Max.	8	5
Total Sheets Std.	3,100	3,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	9,000
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	N/A
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	40 – 300 / N/A
Duplex (gsm)	Std. (60 - 220)	Std. (50 – 300)
Warm up time (secs)	210	390
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	250GB
Weight (kg)	295	372
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	990 x 910 x 1,454
Toner Life (6%)	120k	88k
Developer / Drum Life	1,000k / 1,000k	750k / 750k
Copier	**Std.**	**Std.**
Speed (cpm)	90	95
First Copy Time (secs)	4.0	3.4
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Konica Minolta
Model	**MX-M904**	**bizhub PRO 951**
Document Feeder	**Std.**	**Opt.**
Type	DSPF	DADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	50 - 200
Paper weight (gsm) 2-sided	52 – 205	Not stated
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	95
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Not stated
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	No
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	1,200 x 1,200
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	95 / 95
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	TWAIN, HDD, FTP, SMB, E-Mail
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	Stapling Unit FS-532
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	Saddle Stitching Kit SD-510 (for FS-532)
Hole Punch	Opt.	Punch Kit PK-505 (for FS-532)
Inserter	Opt. (with MX-CF11)	Post-Inserter Kit PI-502 (for FS-532)
C-Fold / Z-Fold	Opt. (with MX-FD10)	Z-Fold Unit ZU-608
Trimmer	Opt. (with MX-FN22)	No
High Capacity Stacker	Opt. (with MX-ST10)	No
Paper Cart	Opt. (with MX-CA10)	No
GBC	Opt.	Smart (GBC) punching unit GP-501
Plockmatic (Other)	Opt.	No

Strengths of MX-M904

- ✓ Optional Fax
- ✓ Std. Document Filing
- ✓ More std. & max. paper cassettes available
- ✓ Higher std. & max. paper input capacity
- ✓ Faster warm-up time
- ✓ More memory (std. & max.) & Larger HDD
- ✓ Lighter (weight)
- ✓ Larger toner cartridge, developer & drum
- ✓ Std. Document Feeder & Larger Document Feeder
- ✓ Faster scan speeds (colour and B&W)
- ✓ 50-sheets Staple & Saddle Finisher options available
- ✓ Optional Booklet trimming unit
- ✓ Optional High Capacity Stackers & Cart
- ✓ Optional Plockmatic Booklet-Maker
- ✓ Higher copy resolution

Strengths of Konica Minolta bizhub PRO 951

- ✓ Faster output speeds
- ✓ Wider paper weight support (trays / duplex)
- ✓ Smaller footprint
- ✓ Faster FCOT

■ Sharp MX-M904 vs. Ricoh PRO 907EX

Manufacturer	Sharp	Ricoh
Model	**MX-M904**	**PRO 907EX**
Launch Date	Aug-12	May-09
Also Sold As	N/A	Infotec Pro 907EX Nashuatec Pro 907EX Rex-Rotary Pro 907EX
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	7
Total Sheets Std.	3,100	3,000
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,050
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	500
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 216 / 40 – 300
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 256)
Warm up time (secs)	210	360
Std. / Max. Memory	5GB / 5GB (shared)	512MB / 1.5GB (shared)
Hard Drive	1TB (Terabyte)	320GB
Weight (kg)	295	315
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	870 x 858 x 1,476
Toner Life (6%)	120k	60k
Developer / Drum Life	1,000k / 1,000k	500k / 2,500k
Copier	**Std.**	**Std.**
Speed (cpm)	90	90
First Copy Time (secs)	4.0	3.5
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Ricoh
Model	**MX-M904**	**PRO 907EX**
Document Feeder	**Std.**	**Std.**
Type	DSPF	RADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	40 – 128
Paper weight (gsm) 2-sided	52 – 205	40 – 128
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	90
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Opt. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Opt.
USB	Std.	Std.
Fiery	No	Opt.
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	80 / 80
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	FTP, SMB, E-Mail, HDD, URL
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	1 x 100-sheet
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	Opt.
High Capacity Stacker	Opt. (with MX-ST10)	Opt.
Paper Cart	Opt. (with MX-CA10)	Opt.
GBC	Opt.	Opt.
Plockmatic (Other)	Opt.	Opt. (Perfect Binder)

Strengths of MX-M904	Strengths of Ricoh PRO 907EX
✓ Optional Fax	✓ Lighter paper weight support (trays/bypass)
✓ More max. paper cassettes available	✓ Wider paper weight support (duplex)
✓ Higher std. & max. paper input capacity	✓ Smaller footprint
✓ Heavier paper weight support (trays)	✓ Longer drum life
✓ Faster warm-up time	✓ Std. XPS support
✓ More memory (std. & max.)	✓ Optional Fiery Print Server – wider customer choice
✓ Larger HDD	✓ Optional Perfect Binder Booklet-Maker
✓ Lighter (weight)	
✓ Larger Toner & Developer Life	
✓ Larger Document Feeder with heavier paper support (simplex & duplex)	
✓ Std. PS3 & Gigabit Ethernet	
✓ Faster scan speeds (colour and B&W)	
✓ 50-sheets Staple & Saddle Finisher options available	
✓ Higher copy resolution	

■ Sharp MX-M904 vs. Ricoh Aficio MP 9001SP

Manufacturer	Sharp	Ricoh
Model	**MX-M904**	**Aficio MP 9001SP**
Launch Date	Aug-12	Jun-09
Also Sold As	N/A	Gestetner MP 9001SP Infotec MP 9001SP Nashuatec MP 9001SP Rex-Rotary MP 9001SP
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	Opt.
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	A3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	5
Total Sheets Std.	3,100	4,300
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,300
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	100
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 128 / 52 – 216
Duplex (gsm)	Std. (60 - 220)	Std. (64 – 128)
Warm up time (secs)	210	300
Std. / Max. Memory	5GB / 5GB (shared)	1.5GB / 1.5GB (shared)
Hard Drive	1TB (Terabyte)	160GB
Weight (kg)	295	217
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	690 x 790 x 1,165
Toner Life (6%)	120k	43k
Developer / Drum Life	1,000k / 1,000k	350k / 1,200k
Copier	**Std.**	**Std.**
Speed (cpm)	90	90
First Copy Time (secs)	4.0	3.3
Max. Original Size	A3	A3
Max. Qty. Select	9,999	999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Ricoh
Model	**MX-M904**	**Aficio MP 9001SP**
Document Feeder	**Std.**	**Std.**
Type	DSPF	DSPF
Capacity (sheets)	250	150
Paper weight (gsm) 1-sided	38 – 205	64 – 128
Paper weight (gsm) 2-sided	52 – 205	64 – 128
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	90
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Opt. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Opt.
USB	Std.	Std.
Fiery	No	Opt.
Fax (Type)	**Opt. (Super G3)**	**Opt. (Super G3)**
PC-Fax / i-Fax	Yes / Opt.	Yes / Opt.
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	80 / 130 (B&W) 55 / 90 (Colour)
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	1 x 50-sheet 1 x 100-sheet
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	No
High Capacity Stacker	Opt. (with MX-ST10)	No
Paper Cart	Opt. (with MX-CA10)	No
GBC	Opt.	Opt.
Plockmatic (Other)	Opt.	Opt.

Strengths of MX-M904

- ✓ SRA3 paper support
- ✓ More max. paper cassettes available
- ✓ Higher max. paper input capacity
- ✓ Larger multi-bypass available
- ✓ Heavier paper support (trays/bypass/duplex)
- ✓ Faster warm-up time
- ✓ More memory (std. & max.) & Larger HDD
- ✓ Larger toner cartridge, developer
- ✓ Higher max. copy quantity selection
- ✓ Larger Document Feeder
- ✓ Wider paper weight support (Document Feeder)
- ✓ Std. Adobe PS3
- ✓ Std. Gigabit Ethernet
- ✓ Faster scan speeds (colour and B&W)
- ✓ 50-sheets staple finisher option available
- ✓ Optional Booklet trimming unit
- ✓ Optional High Capacity Stackers & Cart
- ✓ Higher copy resolution

Strengths of Ricoh Aficio MP 9001SP

- ✓ Higher std. paper input capacity
- ✓ Lighter paper weight support (trays/bypass)
- ✓ Lighter (weight)
- ✓ Smaller footprint
- ✓ Longer Drum Life
- ✓ Faster FCOT
- ✓ Std. XPS support
- ✓ Optional Fiery Print Server – wider customer choice

■ Sharp MX-M904 vs. Toshiba e-Studio 856SE

Manufacturer	Sharp	Toshiba
Model	**MX-M904**	**e-Studio 856SE**
Launch Date	Aug-12	Feb-12
Also Sold As	N/A	N/A
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	Opt.
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	A3
Total Cassettes Std.	4	3
Total Cassettes Max.	8	5
Total Sheets Std.	3,100	3,600
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	7,600
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	100
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	64 – 209 / 64 – 209
Duplex (gsm)	Std. (60 - 220)	Std. (64 – 209)
Warm up time (secs)	210	130
Std. / Max. Memory	5GB / 5GB (shared)	1GB / 1GB (shared)
Hard Drive	1TB (Terabyte)	160GB
Weight (kg)	295	203
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	698 x 789 x 1,176
Toner Life (6%)	120k	73.9k
Developer / Drum Life	1,000k / 1,000k	600k / 600k
Copier	**Std.**	**Std.**
Speed (cpm)	90	85
First Copy Time (secs)	4.0	3.5
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Toshiba
Model	**MX-M904**	**e-Studio 856SE**
Document Feeder	**Std.**	**Std.**
Type	DSPF	DADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	35 - 209
Paper weight (gsm) 2-sided	52 – 205	52 – 209
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	85
Print Resolution (dpi)	1,200 x 1,200	2,400 x 600 with smoothing
Postscript	Std. (Adobe)	Std.
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	No
Fax (Type)	**Opt. (Super G3)**	**Opt. (Super G3)**
PC-Fax / i-Fax	Yes / Opt.	Yes / Opt.
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	80 / 80 (B&W) 77 / 77 (Colour)
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	Web Services, USB, E-Mail, SMB, FTP, FTPS, HDD
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	1 x 50-sheet
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	1 x 50-sheet 1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	No
Trimmer	Opt. (with MX-FN22)	No
High Capacity Stacker	Opt. (with MX-ST10)	No
Paper Cart	Opt. (with MX-CA10)	No
GBC	Opt.	No
Plockmatic (Other)	Opt.	No

Strengths of MX-M904

- ✓ Faster output speeds
- ✓ SRA3 paper support
- ✓ More std. & max. paper cassettes available
- ✓ Higher max. paper input capacity
- ✓ Larger multi-bypass available
- ✓ Wider range of paper weight support (trays/bypass/duplex)
- ✓ More memory (std. & max.) & Larger HDD
- ✓ Larger toner cartridge, developer & drum
- ✓ Larger Document Feeder
- ✓ True Adobe PS3
- ✓ Faster scan speeds (colour and B&W)
- ✓ 100-sheets staple finisher option available
- ✓ Optional Multi-Folding unit available
- ✓ Optional Booklet trimming unit
- ✓ Optional High Capacity Stackers & Cart
- ✓ Optional GBC SmartPunch available
- ✓ Optional Plockmatic Booklet-Maker available
- ✓ Higher copy resolution

Strengths of Toshiba e-Studio 856SE

- ✓ Higher std. paper input capacity
- ✓ Faster warm-up time
- ✓ Lighter (weight)
- ✓ Smaller footprint
- ✓ Faster FCOT
- ✓ Wider paper weight support (Document Feeder)
- ✓ Std. XPS support

■ Sharp MX-M904 vs. Xerox D95 C/P

Manufacturer	Sharp	Xerox
Model	**MX-M904**	**D95 C/P**
Launch Date	Aug-12	Mar-12
Also Sold As	N/A	Fuji Xerox
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	No
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	6
Total Sheets Std.	3,100	4,050
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,050
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	250
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	52 – 216 / 52 – 253
Duplex (gsm)	Std. (60 - 220)	Std. (52 – 216)
Warm up time (secs)	210	360
Std. / Max. Memory	5GB / 5GB (shared)	2GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	80GB
Weight (kg)	295	Not stated
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	Not stated
Toner Life (6%)	120k	65k
Developer / Drum Life	1,000k / 1,000k	600k / 500k
Copier	**Std.**	**Std.**
Speed (cpm)	90	95
First Copy Time (secs)	4.0	3.0
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	600 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Xerox
Model	**MX-M904**	**D95 C/P**
Document Feeder	**Std.**	**Std.**
Type	DSPF	DADF
Capacity (sheets)	250	250
Paper weight (gsm) 1-sided	38 – 205	52 – 200
Paper weight (gsm) 2-sided	52 – 205	52 – 200
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	95
Print Resolution (dpi)	1,200 x 1,200	2,400 x 2,400
Postscript	Std. (Adobe)	Std. (Adobe)
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	No
USB	Std.	Std.
Fiery	No	Opt. EFI Fiery Opt. Xerox FreeFlow
Fax (Type)	**Opt. (Super G3)**	**No**
PC-Fax / i-Fax	Yes / Opt.	N/A
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	200 / 200
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	Desktop, FTP, SMB, HDD, E-Mail, USB
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	1 x 100-sheet
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	Opt.
High Capacity Stacker	Opt. (with MX-ST10)	Opt.
Paper Cart	Opt. (with MX-CA10)	Opt.
GBC	Opt.	No
Plockmatic (Other)	Opt.	Opt. (Tape Binder)

Strengths of MX-M904	Strengths of Xerox D95 C/P
✓ Optional Fax	✓ Faster output speeds
✓ More max. paper cassettes available	✓ Higher std. paper input capacity
✓ Higher max. paper input capacity	✓ Lighter paper weight support (trays/duplex)
✓ Larger multi-bypass for LCT	✓ Faster FCOT
✓ Heavier paper weight support (trays/bypass/duplex)	✓ Higher print resolution
✓ Faster warm-up time	✓ Std. XPS support
✓ More memory (std. & max.)	✓ Optional Fiery & FreeFlow Print Servers – wider customer choice
✓ Larger HDD	✓ Faster Simplex Scan speed
✓ Larger Toner, Developer & Drum Life	✓ Optional Tape Binder
✓ Wider paper support via Document Feeder (Simplex)	
✓ Heavier paper support via document feeder (duplex)	
✓ Gigabit Ethernet	
✓ Higher copy resolution	

■ Sharp MX-M904 vs. Xerox WorkCentre 5790A

Manufacturer	Sharp	Xerox
Model	**MX-M904**	**WorkCentre 5790A**
Launch Date	Aug-12	May-10
Also Sold As	N/A	Fuji Xerox
Multifunctionality	**Std.**	**Std.**
Network Printer	Std.	Std.
Network Scanning	Std.	Std.
Fax	Opt.	Opt.
Document Filing	Std.	Std.
Base Engine	Console	Console
Paper Max. Size	SRA3	SRA3
Total Cassettes Std.	4	4
Total Cassettes Max.	8	5
Total Sheets Std.	3,100	4,700
Total Sheets Max.	13,500 (incl. 2 x 2-drawer LCT)	8,700
No of sheets (Bypass)	100 (MX-MF10) or 500 (MX-MF11)	100
Paper weight (gsm) (Trays / Bypass)	60 – 220 / 52 – 300	60 – 200 / 60 – 216
Duplex (gsm)	Std. (60 - 220)	Std. (60 – 200)
Warm up time (secs)	210	30
Std. / Max. Memory	5GB / 5GB (shared)	1GB / 2GB (shared)
Hard Drive	1TB (Terabyte)	80GB
Weight (kg)	295	200
Machine Size (mm) (W x D x H)	1,084 x 790 x 1,237	1,960 x 1,147 x 704
Toner Life (6%)	120k	50k
Developer / Drum Life	1,000k / 1,000k	500k / 500k
Copier	**Std.**	**Std.**
Speed (cpm)	90	90
First Copy Time (secs)	4.0	2.7
Max. Original Size	A3	A3
Max. Qty. Select	9,999	9,999
Copy Resolution (dpi)	1,200 x 1,200	4,800 x 600
Zoom Range (%)	25 - 400	25 – 400

Manufacturer	Sharp	Xerox
Model	**MX-M904**	**WorkCentre 5790A**
Document Feeder	**Std.**	**Std.**
Type	DSPF	DADF
Capacity (sheets)	250	100
Paper weight (gsm) 1-sided	38 – 205	50 – 160
Paper weight (gsm) 2-sided	52 – 205	50 – 160
Network Printer	**Std.**	**Std.**
Speed (ppm)	90	90
Print Resolution (dpi)	1,200 x 1,200	1,200 x 1,200
Postscript	Std. (Adobe)	Std.
PCL	Std.	Std.
XPS	Opt.	Std.
Gigabit Ethernet	Std.	Std.
USB	Std.	Std.
Fiery	No	No
Fax (Type)	**Opt. (Super G3)**	**Opt. (Super G3)**
PC-Fax / i-Fax	Yes / Opt.	Yes / Opt
Network Scanning	**Std.**	**Std.**
Resolution (dpi)	600 x 600	600 x 600
Scan Speed (ipm) (Simplex / Duplex)	120 / 200	80 / 80
Destinations	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax	Desktop, FTP, SMB, E-Mail, HDD, USB, I-Fax
Finishing	**Opt.**	**Opt.**
Staple Finishers	1 x 50-sheet (MX-FN24) 1 x 100-sheet (MX-FN21)	1 x 30-sheet 1 x 50-sheet 1 x 100-sheet
Saddle Finishers	1 x 50-sheet (MX-FN25) 1 x 100-sheet (MX-FN22)	1 x 100-sheet
Hole Punch	Opt.	Opt.
Inserter	Opt. (with MX-CF11)	Opt.
C-Fold / Z-Fold	Opt. (with MX-FD10)	Opt.
Trimmer	Opt. (with MX-FN22)	No
High Capacity Stacker	Opt. (with MX-ST10)	No
Paper Cart	Opt. (with MX-CA10)	No
GBC	Opt.	No
Plockmatic (Other)	Opt.	No

Strengths of MX-M904

- ✓ More max. paper cassettes available
- ✓ Higher max. paper input capacity
- ✓ Larger multi-bypass available
- ✓ Heavier paper weight support (trays/bypass/duplex)
- ✓ More memory (std. & max.) & Larger HDD
- ✓ Smaller footprint
- ✓ Larger toner cartridge, developer & drum
- ✓ Larger Document Feeder
- ✓ Wider paper weight support (Document Feeder)
- ✓ True Adobe PS3
- ✓ Faster scan speeds (colour and B&W)
- ✓ 50-sheets saddle finisher option available
- ✓ Optional Booklet trimming unit
- ✓ Optional High Capacity Stackers & Cart
- ✓ Optional GBC SmartPunch available
- ✓ Optional Plockmatic Booklet-Maker available
- ✓ Higher copy resolution

Strengths of Xerox WorkCentre 5790A

- ✓ Higher std. paper input capacity
- ✓ Faster warm-up time
- ✓ Lighter (weight)
- ✓ Faster FCOT
- ✓ Std. XPS support
- ✓ 30-sheet Staple Finisher available

Specifications

■ Basic Specifications

Base Engine	MX-M1204	MX-M1054	MX-M904
Engine speed (A4) (Tray) (ppm)	120	105	90
Engine speed (A3) (Tray) (ppm)	54	52	47
Photoconductor type	OPC (Diameter: Black φ 120 mm)		
Record method	Electronic Photo (Laser)		
Development method	Dry-Type Dual-Component magnetic brush development		
Charge method	Wire charging method		
Transfer method	Transfer belt		
Separation	Natural separation method (sub-separation claw is equipped.)		
Cleaning method	Counter blade		
Fusing method	Heat roller		
Warm up time (seconds)	210 (Result may vary depending on operating conditions)		
Pre-heat	Yes		
Jam recovery time (seconds)	30 (After leaving the door open for 60 seconds. In standard condition with the polygon motor stopping.)		
Resolution (dpi)	Copy: 600 x 600, 1,200 x 1,200 Print: 600 x 600 (default), 1,200 x 1,200		
Printable area	A3 wide:300 x 449 mm SRA3: 310 x 442 mm A3: 292 x 412 mm B4: 252 x 356 mm A4: 292 x 202 mm SRA4: 310 x 217 mm B5: 252 x 174 mm A5R: 143 x 202 mm		
Power switch	2 (Primary switch: in the front cover, Secondary switch (momentary SW): on the operation panel)		
PM cycle	500k		
Maximum print volume	500k		
MCBJ	150k		
MCBF	200k		
External dimensions (W x D x H) (mm)	1,084 x 790 x 1,237 (including touch panel)		
Occupied space (W x D) (mm)	1,084 x 780		
Weight (kg) (including photo receptor,not including consumables)	295		

Controller Board		
CPU	ARM11 600 MHz	
PCL accelerator	Intel Atom D525 1.8 GHz	
Interface		
IEEE1284 Parallel	No	
Ethernet	1 port	
	Interface	10Base-T, 100Base-TX, 1000Base-T
	Support Protocol	TCP/IP (IPv4, IPv6), IPX/SPX, EtherTalk
USB 2.0 (high speed) (Host) *The USB will be disabled by the sim.	2 port (Front/ Rear)	
USB 2.0 (high speed) (Device)	1 port	
USB-HUB (Host)	Internal: 4 ports (Port 3 and 4 are for internal use) 1) For front USB port 2) For rear USB port	
Memory slot	4 (0 empty slot)	

Power Consumption	
Maximum power consumption (W)	MX-M1204 / MX-M1054: 2.99 kW or less MX-M904: 2.3 kW + 0.46 kW or less
TEC value specified by New International Energy Star (kWh)	MX-M1204: 17.4 MX-M1054: 15.8 MX-M904: 12.6

Operation Panel (Colour LCD: 10.1 inch W-SVGA)	
Form	Dot matrix LCD, touch panel
Display dot number	1,024 x 600 dots (W-SVGA)
LCD drive display area (mm)	222.72 x 125.28
LCD backlight	LED, backlight method
LCD contrast adjust	Yes
Angle/position adjustment	Swing mechanism with tilt mechanism, free positions

Original Scanning Resolution		
Scan resolution (dpi) (Copy Mode)		B/W
	Original cover	600 x 600 / 600 x 400 / 600 x 300 (Default)
	DSPF	600 x 600 / 600 x 400 / 600 x 300 (Default)
Exposure lamp (Both document glass and DSPF)	White LED	

Paper Input	
Details on Tray 1 (feeding 1,200 sheets)	
Paper size	A4, B5
Changing of paper size	Switched by service/ user
Paper type setting	Yes
Default paper size setting	A4
Paper type/weight (gsm)	Plain paper: 60 – 105 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper Users can set up all of these paper types.
Paper capacity (sheets)	1,200 (80 gsm)
Paper size detection	No (A4 can be set by simulation)
Detection of remaining paper	Level detection (None and 3 levels: 100%, 33%, 6%, and empty)
Details on Tray 2 (feeding 800 sheets)	
Paper size	A4
Changing of paper size	Switched by service/ user
Paper type setting	Yes
Default paper size setting	A4
Paper type/weight (gsm)	Plain paper: 60 – 105 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper Users can set up all of these paper types.
Paper capacity (sheets)	800 (80 gsm)
Paper size detection	No (A4 can be set by simulation)
Detection of remaining paper	Level detection (None and 3 levels: 100%, 50%, 9%, and none)
Details on Tray 3 (feeding 500 sheets)	
Paper size	A3W, A3, B4, A4W, A4, A4R, B5, B5R, 8K, 16K, 16KR
Changing of paper size	User
Paper type setting	Yes
Default paper size setting	A3
Paper type/weight (gsm)	Plain paper: 60 – 105 Heavy Paper: 106 – 220 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper Users can set up all of these paper types.
Paper capacity (sheets)	500 (80 gsm)
Paper size detection	A3W, A3, B4, A4, A4R, B5, B5R
Detection of remaining paper	Level detection (None and 3 levels: 100%, 67%, 33%, and none)
Details on Tray 4 (feeding 500 sheets)	
Paper size	A3W, A3, B4, A4W, A4, A4R, B5, B5R, A5R, 8K,16K, 16KR Custom Size (Tab paper is limited to A4; tab width12 mm - 20 mm)
Changing of paper size	User
Paper type setting	Yes
Default paper size setting	A3
Paper type/weight (gsm)	Plain paper: 60 – 105. Heavy Paper: 106 – 220 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Transparency, Label, Tab paper
Paper capacity (sheets)	500 (80 gsm)
Paper size detection	A3W, A3, B4, A4, A4R, B5, B5R, A5R
Detection of remaining paper	Level detection (None and 3 levels: 100%, 67%, 33%, and none)

DSPF (Duplex Single Pass Feeder)			
Scan speed		B/W (A4)	Colour (A4)
Copy	1-sided:	120 sheets/minute (600 x 400 dpi)	N/A
		60 sheets/minute (600 x 600 dpi)	
	2-sided:	200 pages/minute (600 x 400 dpi)	N/A
		100 pages/minute (600 x 600 dpi)	
Fax /Internet Fax	1-sided:	120 sheets/minute (200 x 200 dpi)	N/A
	2-sided:	200 pages/minute (200 x 200 dpi)	
Scanner	1-sided:	120 sheets/minute (200 x 200 dpi)	120 sheets/minute (200 x 200 dpi)
	2-sided:	200 pages/minute (200 x 200 dpi)	200 pages/minute (200 x 200 dpi)
Document setup direction		Upward standard (1 to N feeding standard)	
Document standard location		Centre standard (Rear one-side standard for random feeding)	
Document transport method		Sheet-through method	
Document weights (gsm)		1-sided: Thin paper: 38 - 49 Plain paper: 50 - 205 *Thin paper mode (80 sheets) 2-sided: 52 – 205	
Document carrying capacity		Maximum: 250 sheets (80 gsm), or maximum: 32.5 mm or less in height when stacked on the document glass.	
Types of document that may not be transported		Transparency, Second original drawing, Tracing paper, Carbon paper, Thermal paper, Wrinkled / broken / torn document, Document with cuts and pastes, Documents printed by an ink ribbon, and perforated document except 2-punched / 3-punched (Perforated document by punch unit is allowed.)	
Paper detection		Yes	
Detection size		AB type -1, 2, 4, 5: A3, B4, A4, A4R, B5, B5R, A5, A5R AB type -3: A3, B4, A4, A4R, B5, B5R, A5, A5R, 8K, 16K, 16KR	

■ Peripheral devices specifications

Bypass (MX-MFX1)		
Paper size	A3W, A3, B4, A4W, A4, A4R, B5, B5R, A5R, 8K,16K, 16KR Custom Size (Tab paper is limited to A4; tab width12 mm - 20 mm)	
Changing of paper size	Switched by user	
Paper type setting	Yes	
Paper type/weight (gsm)	Thin Paper: 52 – 59 Plain paper: 60 – 105 Heavy Paper: 106 – 300 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Transparency, Label, Tab paper*, Glossy paper Users can set up all of these paper types. *(Only A4 tab paper with the tab width of 12-20 mm is available.)	
Paper capacity (sheets)	Standard paper	100
	Transparency	20
	Heavy paper	20
	Tab paper	20
	Glossy paper	1
	Other special paper	1
Paper size detection	A3W, A3, B4, A4, A4R, B5, B5R, A5R	
Detection of remaining paper	Available/not available detection only	
Dimension (W x D x H) (mm)	117 x 507 x 409 (*Only A4 tab paper with the tab width of 12-20 mm and 8.5 x 11 tab paper with the tab width of 6.1-17mm are available.)	
Weight (kg)	7.5	

Bypass (MX-MF11)	
Paper size	A3W, SRA3, A3, B4, A4W, SRA4, A4, A4R, B5, B5R, A5R, 8K,16K, 16KR
Changing of paper size	Switched by user
Paper type setting	Yes
Paper type/weight (gsm)	Thin Paper: 52 – 59 Plain paper: 60 – 105 Heavy Paper: 106 – 220 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Transparency, Tab paper Users can set up all of these paper types.
Paper capacity (sheets)	500 (80 gsm)
Paper size detection	A3W, A3, B4, A4, A4W, A4R, B5, B5R, A5R
Detection of remaining paper	100%, 90%, 50%,10%, none (No display)
Dimension (W x D x H) (mm)	705 x 556 x 203 (When extended: 878 x 556 x 203)
Weight (kg)	18

Large capacity tray (MX-LC13)	
Paper sizes	A3W, SRA3, A3, B4, A4W, SRA4, A4, A4R, B5, B5R
Paper type/weight (gsm)	Thin Paper: 52 – 59 Plain paper: 60 – 105 Heavy paper: 106 – 300 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Transparency, Label, Tab paper, Glossy paper Users can set up all of these paper types.
Paper capacity	Upper/Lower tray: 2,500 sheets
Detection of paper size	A3W, SRA3, A3, B4, SRA4, A4W, A4, A4R, B5, B5R
Detection of remaining paper	100%, 83.3%, 66.7%, 50%, 33.3%, 16.7%, none
Paper feeding method	Air-assisted feeding system (with dehumidification heater)
Paper loading method	Front-loading type
Dimensions (W x D x H) (mm)	895 x 763 x 986
Weight (kg)	131

Large capacity tray for A4 (MX-LC12)	
Paper sizes	A4, B5
Paper type/weight (gsm)	Plain paper: 60 – 105 Heavy paper: 106– 220 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper User can set up all of these paper types.
Paper capacity (sheets)	3,500 (80 gsm)
Detection of remaining paper	7 levels including none
Paper feeding method	Roller type
Paper loading method	Front-loading type: Paper is loaded from above.
Power source	DC 24 V (Provide from main body)
Dimensions (W x D x H) (mm)	376 x 576 x 524
Weight (kg)	28.5

Large capacity tray for A3 (MX-LCX3N) for MX-M904 only	
Paper sizes	A3W, A3, B4, A4, A4R, B5
Paper type/weight (gsm)	Plain paper: 60 – 105 Heavy paper: 106- 220 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper Users can set up all of these paper types.
Paper capacity (sheets)	3,000 (80 gsm)
Detection of remaining paper	7 levels including none
Paper feeding method	Roller type
Paper loading method	Front-loading type: Paper is loaded from above. (Press the button to open the tray.)
Power source	Provide from main body
Dimensions (W x D x H) (mm)	670 x 570 x 525
Weight (kg)	50

Paper Pass Module for LCT (MX-RB16)	
Power source	No
Dimensions (W x D x H) (mm)	106 x 459 x 217
Weight (kg)	1.9

Connection Module (MX-RB17)	
Power source	Supplied from MX-LC13
Dimensions (W x D x H) (mm)	600 x 583 x 88
Weight (kg)	8.1

Relay Unit for between 100-sheet Finisher and Inserter (MX-RB13)	
Power source	Supplied from Finisher
Dimensions (W x D x H) (mm)	214 x 760 x 986
Weight (kg)	13.4

Finisher (MX-FN21)			
Ejectable paper size		Non-offset/ Offset	A3W, A3, A3 Z-folding, B4, B4 Z-folding, A4W, A4, A4R, A4R Z-folding, A4R bi-folding, B5, B5R, A5R, SRA3, SRA4, Envelope* (Monarch / Com-10 / DL / C5) *Applies to MX-7040N/MX-6240N models
		Staple	A3, A3 Z-folding, B4, B4 Z-folding, A4, A4R, B5
Paper type/weight (gsm)		Non-offset/ Offset	Thin paper: 52 – 59 Plain paper: 60 - 105 Heavy paper: 106 – 300 (cover page only) Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Transparency (Excluding Offset), Glossy paper, User type
		Staple	Plain paper: 60 - 105 Heavy paper: 106 – 300 (cover page only) Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Label paper, Glossy paper (cover page only)
Mode type			Non-stapled, stapled
Offset quantity			30 mm
Stacking performance	Non-offset		Deviation in X direction: 30 mm or less, Deviation in Y direction: 50 mm or less (When Offset tray, Non-staple)
	Offset		Among the job 20 mm or less Between the jobs: 20 mm or less
Stored sheets (excluding folding paper)	Upper tray		1,500 sheet equivalent (Plain paper: A4, B5, A5R non-sort) 750-sheet equivalent (Plain paper: A3W, A3, A4W, SRA3, SRA4, B4, A4R, B5R) Coated paper: 750-sheet equivalent
	Lower tray		2,500-sheet equivalent (Plain paper: A4, B5, A5R, non-sort) 1,500-sheet equivalent (Plain paper: A4, B5,A5R, non-offset) 750 sheet equivalent (A3W, A3, A4W, SRA3, SRA4, B4, A4R, B5R)
	Middle tray		250-sheet equivalent (Plain paper: A4, B5, B5R) 125-sheet equivalent (Plain paper: A3W, A3, A4W, SRA3, SRA4, B4, A4R, B5R) Up to 30 sheets for paper whose length is 432 mm or more
	Staple (Upper tray/ Lower tray)		100 sets or less (Plain paper: A4, B5) 50 sets or less (Plain paper: A3, B4, A4R) Coated paper: 97 mm ± 3 mm or 50 sets or less
Stored sheets (Z-holding/ Bi-folding)	Intermediary tray		Z folding only: 10 sheets (A3, B4)
	Non-staple	Upper/ Lower tray	A3/B4: 30 sheets A4R: 10 sheets
		Middle tray	A3/B4/A4R: 10 sheets
Capacity for mixed-size paper (without folded paper)	Mixed size	Middle tray	Stacked up to 16 mm ± 3 mm
		Upper/ Lower tray	Stacked up to 97 mm ± 3 mm
	Staple-mixed	Upper/ Lower tray	100 sets or less (Plain paper: A4, B5) 50 sets or less (Plain paper: A3, B4, A4R)

			Coated paper size: Stacked up to 97 mm ± 3 mm	
	Mix mode		Plain paper (A4 and B5): Stacked up to 195 mm ± 3 mm Except for above combination: Stacked up to 97 mm ± 3 mm	
Mixed Size (Z-hold/ Half-fold paper)	Intermediary tray		Z folding only: 10 sheets (A3, B4)	
	Upper/Lower tray		A3/B4	Plain paper: Stacked up to 195 mm ± 3 mm Or up to a total of 30 sheets of folder paper Coated paper: Stacked up to 97 mm ± 3mm Or up to a total of 30 sheets of folded paper
	Mixed		A4R	Not available
Sizes allowed for stapling			1-point at front (Slant)	A3, A3 Z-folding, B4, B4 Z-folding, A4, A4R, B5
			1-point at back (Slant)	
			2-point stitching	
Number of sheets to be stitched			A4, B5: 100 sheets (80 gsm)	
			A3, B4, A4R: 50 sheets (80 gsm)	
			A3 Z-folding, B4 Z-folding: 10 sheets (80 gsm)	
Dimensions (W x D x H) (mm)			654 x 765 x 1,040 782 x 765 x 1,040 (with tray extended)	
Weight (kg)			61	

Saddle Stitch Finisher (MX-FN22)		
Ejectable paper size	Non-offset/ Offset	A3W, A3, A3 Z-folding, B4, B4 Z-folding, A4W, A4, A4R, A4R Z-folding, B5, B5R, A5R, SRA3, SRA4, Envelope* (Monarch / Com-10 / DL / C5) *Applies to MX-7040N/MX-6240N models
	Staple	A3, A3 Z-folding, B4, B4 Z-folding, A4, A4R, B5
Paper type/weight (gsm)	Non-offset/ Offset	Thin paper: 52 – 59 Plain paper: 60 - 105 Heavy paper: 106 – 300 (cover page only) Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Transparency (Excluding Offset), Glossy paper, User type
	Staple	Plain paper: 60 - 105 Heavy paper: 106 – 300 (cover page only) Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Label paper, Glossy paper (cover page only)
Mode type		Non-stapled, stapled
Offset quantity		30 mm
Stacking performance	Non-offset	Deviation in X direction: 30 mm or less, Deviation in Y direction: 50 mm or less (When Offset tray, Non-staple)
	Offset	Among the job 20 mm or less Between the jobs: 20 mm or less
Stored sheets (Excluding folding paper)	Upper tray	1,500sheet equivalent (Plain paper: A4, B5, A5R non-sort) 750-sheet equivalent (Plain paper: A3W, A3, A4W, SRA3, SRA4, B4, A4R, B5R) Coated paper: 750-sheet equivalent
	Lower tray	2,500-sheet equivalent (Plain paper: A4, B5, A5R, non-sort) 1,500-sheet equivalent (Plain paper: A4, B5,A5R, non-offset) 750 sheet equivalent (A3W, A3, A4W, SRA3, SRA4, B4, A4R, B5R)
	Middle tray	250-sheet equivalent (Plain paper: A4, B5, B5R) 125-sheet equivalent (Plain paper: A3W, A3, A4W, SRA3, SRA4, B4, A4R, B5R) Up to 30 sheets for paper whose length is 432 mm or more
	Staple (Upper tray/ Lower tray)	100 sets or less (Plain paper: A4, B5) 50 sets or less (Plain paper: A3, B4, A4R) Coated paper: Stacked up to 97 mm ± 3 mm or 50 sets or less
Stored sheets (Z-holding/	Intermediary tray	Z folding only: 10 sheets (A3, B4)
	Non- Upper/	A3/B4: 30 sheets

Bi-folding)	staple	Lower tray	A4R: 10 sheets	
		Middle tray	A3/B4/A4R: 10 sheets	
Capacity for mixed-size paper (without folded paper)	Mixed size	Middle tray	Stacked up to16 mm ± 3 mm	
		Upper/ Lower tray	Stacked up to 97 mm ± 3 mm	
	Staple-mixed	Upper/ Lower tray	100 sets or less (Plain paper: A4, B5) 50 sets or less (Plain paper: A3, B4, A4R) Coated paper size: Stacked up to 97 mm ± 3 mm	
	Mix mode		Plain paper (A4 and B5): Stacked up to 95 mm ± 3 mm Except for above combination: Stacked up to 97 mm ± 3 mm	
Mixed Size (Z-hold/ Half-folding paper)	Intermediary tray		Z folding only: 10 sheets (A3, B4)	
	Upper/Lower tray		A3/B4	Plain paper: Stacked up to195 mm ± 3 mm Or up to a total of 30 sheets of folder paper Coated paper: Stacked up to 97 mm ± 3mm Or up to a total of 30 sheets of folded paper
	Mixed		A4R	Not available
Sizes allowed for stapling			1-point at front (Slant)	A3, A3 Z-folding, B4, B4 Z-folding, A4, A4R, B5
			1-point at back (Slant)	
			2-point stitching	
Number of sheets to be stitched			A4, B5: 100 sheets (80 gsm)	
			A3, B4, A4R: 50 sheets (80 gsm)	
			A3 Z-folding, B4 Z-folding: 10 sheets (80 gsm)	
Saddle stitch method			2-point centre stitch and bi-folding	
Folding location			Centre folding	
Paper size for saddle stitching (both 2-point centre stitch and bi-folding)			A3W, A3, B4, A4R, SRA3	
Paper type/ weight (gsm)	Booklet/ Staple (Page)		Plain paper: 60 – 105 Heavy paper: 106 – 300 (front cover only) Emboss and Glossy paper (front cover only) Recycled paper, Colour paper, User type	
	Saddle fold		Plain paper: 60 – 105 Heavy paper: 106 – 220 Glossy paper*. Recycled paper, Colour paper, Letter head*, Pre-printed paper*, Pre-punched paper*, User type * Printing available on inner side of folded paper only	
Number of sheets to be stitched	Bi-folding		Plain paper	1 to 5 sheets (60 - 105 gsm)
			Coat paper	1 to 3 sheets (Over 105 - 220 gsm)
	Saddle stitch		Plain paper	2 to 20 sheets (60 – 81.4 gsm) 2 to 10 sheets (Over 81.4 - 105 gsm)
			Coat paper	2 to 3 sheets (Over 105 - 220 gsm)
			Cover page	60 – 300 (gsm)
Loading number for saddle stitch			Non-stapled	Plain paper (60 - 105 gsm): 5 sets
			No front cover	Plain paper (60 - 81.4 gsm) 1-5 sheets: 25 bundles 6-10 sheets: 15 bundles 11-15 sheets: 10 bundles 16-20 sheets: 5 bundles Plain paper (Over 81.4 - 105 gsm) 1-5 sheets: 25 bundles 6-10 sheets: 15 bundles
			Front cover	Plain paper (60 - 81.4 gsm) 1-15 sheets: 10 bundles 16-20 sheets: 5 bundles Plain paper (Over 81.4 - 105 gsm) 1-10 sheets: 10 bundles
Dimensions (W x D x H) (mm)			767 x 765 x 1,040 896 x 765 x 1,040 (with tray extended)	

Weight (kg)	108

Finisher (MX-FN24) for MX-M904 only			
Tray Types	Top tray	Fixed	
	Offset	Lifting / Lowering tray	
	Saddle stitch tray	-	
Ejectable paper size	Top tray	A3W, A3, B4, A4W, A4, A4R, B5, B5R, A5, A5R	
	Offset/ Staple	A3, B4, A4, A4R, B5, B5R	
Paper type/weight (gsm)	Non-offset	Thin paper: 52– 59 Plain paper: 60 – 105 Heavy paper: 106 – 220 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Transparency, Label paper, Glossy paper	
	Off-set	Thin paper: 52– 59 Plain paper: 60 – 105 Heavy paper: 106 – 300 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Glossy paper	
	Staple	Plain paper: 60 – 105 Heavy paper*: 106 – 176 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Glossy paper* * To be used for following pattern: 1 cover page of heavy paper or glossy paper + 1 Back cover page of heavy paper or glossy paper + 48 pages of plain paper)	
Stacking performance	Non-offset	12 mm or less, (For B5 and A5 in the portrait orientation, 50 mm or less.)	
	Offset	12 mm or less, (For B5 and A5 in the portrait orientation, 50 mm or less.)	
	Offset quantity	30 mm	
	Stapled	3 mm or less	
Stored sheets	Top tray	250 sheets (A4, A4R, B5, B5R, A5, A5R) 50 sheets (A3W, A3, B4)	
	Offset tray	3,000 sheets (A4) 1,500 sheets (A3W, A4W, A3, B4, A4R, B5, B5R, 8K, 16K, 16KR) 100 sheets (A5R, Postcard, Custom size: Non-offset)	
	Staple	50 sheets (A4, A4R, B5, B5R, 16K, 16KR) 30 sheets (A3, B4 and mixed size) Max.: 2 sheets of 176 gsm paper + 48 sheets of 80 gsm paper	
Sizes allowed for stapling		1-point at front (Flat)	A3, B4, A4, A4R, B5, B5R, 8K, 16K. 16KR
		1-point at front (Slant)	
		1-point at back (Flat)	
		2-point stitching	
Tray capacity for holding stapled paper (80 gsm)	A4	2-19 sheets: 150 sets 20-50 sheets: 150-60 sets	
	A4R, B5, 16K, 16KR	2-14 sheets: 100 sets; 15-50 sheets: 100-30 sets	
	Others	2-14 sheets: 100 sets 15-30 sheets: 100-50 sets	
	For mixed size: 1. A3, A4 2. B4, B5	2-30 sheets: 50 sets	
Dimensions (W x D x H) (mm)		657 x 615 x 979 747 x 615 x 1,037 (When the exit tray extended.)	
Weight (kg)		47	

Finisher (MX-FN25) for MX-M904 only			
Tray Types	Top tray	Fixed	
	Offset	Lifting / Lowering tray	
	Saddle stitch tray	-	
Ejectable paper size	Top tray	A3W, A3, B4, A4W, A4, A4R, B5, B5R, A5, A5R	
	Offset/ Staple	A3, B4, A4, A4R, B5, B5R	
Paper type/weight (gsm)	Non-offset	Thin paper: 52– 59 Plain paper: 60 – 105 Heavy paper: 106 – 220 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Transparency, Label paper, Glossy paper	
	Off-set	Thin paper: 52– 59 Plain paper: 60 – 105 Heavy paper: 106 – 300 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Glossy paper	
	Staple	Plain paper: 60 – 105 Heavy paper*: 106 – 176 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Pre-punched paper, Colour paper, Tab paper, Glossy paper* *To be used for following pattern: 1 cover page of heavy paper or glossy paper + 1 Back cover page of heavy paper or glossy paper + 48 pages of plain paper)	
Stacking performance	Non-offset	12 mm or less, (For B5 and A5 in the portrait orientation, 50 mm or less.)	
	Offset	12 mm or less, (For B5 and A5 in the portrait orientation, 50 mm or less.)	
	Offset quantity	30 mm	
	Stapled	3 mm or less	
Stored sheets	Top tray	250 sheets (A4, A4R, B5, B5R, A5, A5R)) 50 sheets (A3W, A3, B4)	
	Offset tray	2,000 sheets (A4) 1,000 sheets (A3W, A3, B4, A4R, B5, B5R, 8K, 16K, 16KR) 100 sheets (A5R, Postcard, Custom size: Non-offset)	
	Staple	50 sheets (A4, A4R, B5, 16K, 16KR) 30 sheets (A3, B4 and mixed size) Max.: 2 sheets of 176 gsm paper + 48 sheets of 80 gsm paper	
Sizes allowed for stapling		1-point at front (Flat)	A3, B4, A4, A4R, B5, B5R, 8K, 16K. 16KR
		1-point at front (Slant)	
		1-point at back (Flat)	
		2-point stitching	
Tray capacity for holding stapled paper (80 gsm)	A4	2-19 sheets: 150 sets; 20-50 sheets: 150-40 sets	
	A4R, B5, 16K, 16KR	2-9 sheets: 100 sets; 10-50 sheets: 100-20 sets	
	Others	2-9 sheets: 100 sets; 10-30 sheets: 100-33 sets	
	For mixed size: 1. A3, A4 2. B4, B5	2-30 sheets: 50 sets	
Saddle stitch method		2-point centre stitch and bi-folding	
Folding location		Centre folding	
Paper size for saddle stitching		A3W, A3, B4, A4R, B5R	

(both 2-point centre stitch and bi-folding)		
Paper type/ weight (gsm)	Booklet/ Staple (Page)	Plain paper: 60 – 105 Heavy paper: 106 – 176 (front cover only) Glossy paper (front cover only) Recycled paper, Colour paper
	Saddle fold	Plain paper: 60 – 105 Heavy paper: 106 – 176 Glossy paper*. Recycled paper, Colour paper, Letterhead*, Pre-printed paper*, Pre-punched paper* *Printing available on inner side of folded paper only.
Saddle stitch tray capacity		2-5 sheets: 30 sets 6-10 sheets: 15 sets 11-15 sheets: 10 sets
Dimensions (W x D x H) (mm)		657 x 615 x 979 747 x 615 x 1,037 (When the exit tray extended.)
Weight (kg)		62

Punch Unit MX-PN13A/C/D (for MX-FN21/22)		
Type	MX-PN13A/C/D	
Punch type	2 holes / 4 holes / 4 holes (wide) A punch unit that provides all of these 3 types can be installed.	
Punch paper size	2 holes	A3, A4, A4R, B4, B5, B5R
	2/4 holes	A3, A4, A3 Z-holding, A4R, B4, B5, B5R (2-holes only)
	4 holes(wide)	A3, A4, A4R, B4, B5, B5R, A3 Z folding, B4 Z folding
Paper weight (gsm)/ type	Thin paper: 52 – 59 Plain paper: 60 – 105 Heavy paper: 106 - 256 Pre-printed paper (not including backing paper), Recycled paper, Letter head, Colour paper, Glossy paper (not guaranteed for heavy paper (over 129 gsm)	
Dimensions (W x D x H) (mm)	95 x 715 x 392	
Weight (kg)	3.7	

Punch Unit MX-PNX4A/C/D (for MX-FN24/25)		
Type	MX-PNX4A/C/D	
Punch type	2 holes / 4 holes / 4 holes (wide) A punch unit that provides all of these 3 types can be installed.	
Punch paper size	2 holes	A3, A4, A4R, B4, B5, B5R
	2/4 holes	A3, A4, B4, B5 A4R, B5R (2-holes only)
	4 holes (wide)	A3, A4, A4R, B4, B5, B5R
Paper weight (gsm)/ type	Thin paper: 52 – 59 Plain paper: 60 – 105 Heavy paper: 106 – 176 Pre-printed paper, Recycled paper, Letterhead, Colour paper, Tab paper, Glossy paper (not guaranteed for heavy paper (over 129 gsm)	
Dimensions (W x D x H) (mm)	130 x 515 x 140	
Weight (kg)	1.4	

Trimming Module (MX-TM10)		
Trimming method	Fore-edge trimming by reciprocating the upper blade	
Trimming mode	Fore-edge trimming (only in one direction)	
Trim width (mm)	2 – 20 (adjustable 0.1 mm increments)	
Paper weight (gsm)/ type	Plain paper: 60-105 Heavy paper: 106 - 300 (Over 220 gsm front cover only) Recycled paper, Colour paper, Emboss Glossy paper	
Paper size	A3W, A3, B4, A4R, SRA3	
Acceptable number of sheets	Plain paper	2 - 20 sheets (60 - 81.4 gsm) 2 - 10 sheets (more than 81.4 - 105 gsm) 2 - 3 sheets (more than 105 - 209 gsm) * 1 sheet of cover of 300 gsm or less is included.
	Coated paper	2 - 10 sheets (80 - 105 gsm) 2 - 3 sheets (more than 105 - 209 gsm)
Productivity (Compared to the saddle stitching speed)	70-100% (For A4, 100% for 5- or more-fold.)	
Time for trimming	4,000 msec or less	
Capacity for folding cutting wastage	1,500 sheets (80 gsm. Trim width: 20 mm)	
Power source	Supplied from saddle finisher (MX-FN22)	
Dimensions (W x D x H) (mm)	251 x 625 x 403	
Weight (kg)	32	

Inserter (MX-CF11)		
Form		Floor model
Paper capacity		Upper/Lower tray: 200 sheets (80 gsm)
Paper weight (gsm)/ type	Paper feeding section	Plain paper: 60 - 105 Heavy paper: 106 - 220 Recycled paper, Colour paper, Letterhead, Pre-printed paper, Pre-punched paper
	Through-pass	Thin paper: 52 – 59 Plain paper: 60 - 105 Heavy paper: 106 - 300 Recycled paper, Colour paper, Letterhead, Pre-printed paper, Pre-punched paper, Tab paper, Transparency, Label paper Glossy paper
Paper size	Paper feeding section	Auto AB: A3W, A4W, A3, B4, A4, A4R, B5, B5R, A5R Manual SRA3 (320 x 450 mm), SRA4, 8K, 16K, 16KR Custom size: Main scanning direction: 140 - 320 mm Vertical scanning direction: 148 – 470 mm
	Through-pass	A3W, A3, B4, A4W, A4, A4R, B5, B5R, A5R, SRA3, SRA4, 8K, 16K, 16KR
Power source		DC 24V (Supplied by main unit)
Dimensions (W x D x H) (mm)		540 x 760 x 1,276 (When tray is extended: 690 x 760 x 1,276)
Weight (kg)		45

Folding Unit (MX-FD10)			
Installation		Mounting plate latching mechanism (with height-adjustable casters)	
Door open detection		Yes (Front door)	
Paper type (gsm)/ Weight	Through-pass	Thin paper: 52 – 59 Plain paper: 60 - 105 Heavy paper: 106 - 300 Recycled paper, Colour paper, Letterhead, Pre-printed paper, Pre-punched paper, Tab paper, Transparency, Label paper, Glossy paper	
	Paper folding tray/ Z-hold	Thin paper: 52 – 59 Plain paper: 60 - 105 Recycled paper, Colour paper, Letterhead, Pre-printed paper, Pre-punched paper	
	Half-fold, C-fold, Accordion fold, Double fold	Thin paper*[1]: 55 – 59 Plain paper: 60 - 105 Recycled paper, Colour paper, Letterhead*, Pre-printed paper*, Pre-punched paper* *Printing available on outer side of folded paper only.	
Paper size	Through-pass	A3W, A3, A4W, B4, A4, A4R, B5, B5R, A5, A5R, SRA3, SRA4	
	Z-fold	A3, B4, A4R	
	Half-fold, C-fold, Accordion fold, Double fold	A4R	
Tray capacity (located at the bottom of the paper folding device)		C-fold	Stacked up to 60 mm (equivalent to 40 sheets)
		Accordion fold	
		Double fold	Stacked up to 60 mm (equivalent to 25 sheets)
		Z-fold, Half-fold	Output in the tray of 100-sheet finisher
Dimensions (W x D x H) (mm)		336 x 770 x 1,050	
Weight (kg)		66	

High Capacity Stacker (MX-ST10)			
Tray		2 trays (Top tray/ Paper stacking tray)	
Tray capacity		Top tray: 250 sheets (80 gsm) Paper stacking tray: 5,000 sheets (80 gsm)	
Offset		20 mm (stack tray only)	
Paper type (gsm)/ Weight	Through-pass	Thin paper: 52 – 59 Plain paper: 60 - 105 Heavy paper: 106 - 300 Recycled paper, Colour paper, Letterhead, Pre-printed paper, Pre-punched paper, Tab paper, Transparency, Label paper, Glossy paper	
	Top tray	Thin paper: 52 – 59 Plain paper: 60 - 105 Heavy paper: 106 - 300 Recycled paper, Colour paper, Letterhead, Pre-printed paper, Pre-punched paper, Tab paper, Transparency, Label paper, Glossy paper	
	Paper stacking tray	Thin paper: 52 – 59 Plain paper: 60 - 105 Heavy paper: 106 - 300 Recycled paper, Colour paper, Letterhead, Pre-printed paper, Pre-punched paper, Label paper, Glossy paper	
Stacking capacity	Paper stacking tray	A3W, A3, B4, A4, A4R, A4W, SRA3, SRA4, 8K, Irregular size (Min. 279 x 210 mm)	5,000 sheets (80 g/m^2)
		B5, B5R, A5R, 16K, 16KR Irregular size (Max. 279 x 210 mm)	2,500 sheets (80 g/m^2)
	Top tray	A3W,A4W, A3, B4, A4, A4R, B5, B5R, A5, A5R, SRA3, SRA4	250 sheets (80 g/m^2)
Paper full detection		Yes	
Stacking amount detection		Top tray: No, Paper stacking tray: 5 steps (0%, 25%, 50%, 75%, 100%)	
Max. Number of connectable units		2 units	
Dimensions (W x D x H) (mm)		915 x 758 x 986	
Weight (kg)		Main unit: 100, cart: 15	

Curl Correction Unit (MX-RB18)	
Correction Type	Roller pressure type (Upper curl correction and lower curl correction)
Correction intensity adjustment	Mechanical dial
Dimensions (W x D x H) (mm)	214 x 760 x 986
Weight (kg)	18.5

Paper Cart (MX-CA10)	
For easily transporting the finished document to another place	
Dimensions (W x D x H)	592 x 531 x 750

XPS Expansion Kit (MX-PUX1)	
Packaged items	CD-ROM Installation manual (Described the product key information)
Included software in the CD-ROM	XPS driver Installer

Fax Expansion Kit (MX-FX11)	
Bundled Items	Fax box/ Modular cord/ Connect parts/ CE Document sheet
Outer colour	Warm white
Dimensions (W x D x H) (mm)	192 x 52 x 215
Weight (kg)	1

Barcode Font Kit (MX-PF10)	
	Activated by product key
Bundled items	Product key sheet / CD-ROM / Installation manual in the above CD-ROM (English / French / Germany / Italian / Spanish / Swedish) Application number (Pasted on the product key sheet)
Barcode data	Barcode data is already implemented in main unit
CD-ROM	Barcode font for Windows

Stamp Unit (AR-SU1)	
	Marks already scanned documents for checking

Enhanced Compression Kit (MX-EB11)	
Overview	The following function can be supported when board is equipped: High compression PDF
Bundled Items	ACRE board

Internet Fax Expansion Kit (MX-FWX1)	
Packaged items	Product key sheet (Internet Fax) Internet Fax CD-ROM
Included software in the CD-ROM	Internet Fax expansion tool

Keyboard (MX-KB13)	
Bundled items	Keyboard unit

Status Indicator (MX-SL10)	
Status LED display	Green: Normal, Red: Error display
Height adjustment	No
Dimensions (W x D x H) (mm)	110 x 116 x 855
Height when attached to the main unit (mm)	1,551
Weight	1.1

Sharpdesk License Kit (MX-USX1, USX5, US10, US50, USA0)	
1 license	MX-USX1
5 licenses	MX-USX5
10 licenses	MX-US10
50 licenses	MX-US50
100 licenses	MX-USA0

Application Integration Module (MX-AMX1)	
Packaged items	Instruction manual Product key sheet Sharpdesk CD-ROM Sharpdesk installation guide Sharpdesk serial number (Sharpdesk 1 license, pasted on the product key sheet)
Included software in the CD-ROM	Same as Sharpdesk CD-ROM in the Main Unit

Application Communication Module (MX-AMX2)	
Packaged items	Instruction manual Sharp OSA Utility CD-ROM Application number (pasted on the instruction manual)
Included software in the CD-ROM	Sharp OSA Utility

External Account Module (MX-AMX3)	
Packaged items	Instruction manual Sample application CD-ROM Application number (pasted on the instruction manual)
Included software in the CD-ROM	Sharp OSA Utility

Data Security Kit non-CC Version (MX-FR38U)	
Packaged items	Firmware (Flash ROM and USB memory) Instruction manual CD-ROM Application number (pasted on the product key sheet)
Instruction manual	American English/ German/ French/ Spanish/ Italian/ Dutch/ Swedish/ Norwegian/ Finnish/ Danish/ Czech/ Polish/ Hungarian/ Greek/ Portuguese/ Slovak/ Russian/ Turkish/ Romanian

Mirroring Kit (MX-EB15)	
Bundled items	RAID control board 1 HDD (1 TB)

Web Browsing Expansion Kit (MX-AM10)	
	Activated by product key. Access web page through MFP operation panel.
Bundled items	CD-ROM Product key sheet

Sharp OSA-Network Scanner Tool License Kit (MX-UN01A, UN05A, UN10A, UN50A, UN1HA)	
1 license	MX-UN01A
5 licenses	MX-UN05A
10 licenses	MX-UN10A
50 licenses	MX-UN50A
100 licenses	MX-UN1HA

■ Functions

Copy Function	
First copy (original cover)	MX-M1204: 3.2 seconds MX-M1054: 3.2 seconds MX-M904: 4.0 seconds
* Best achieved time based on A4 copy, long-edge feeding from 1st paper drawer, when machine is ready, without Auto Colour Mode and Auto Colour Selection. May vary depending on machine conditions and operating environment	
First copy (DSPF)	MX-M1204: 5.5 seconds MX-M1054: 5.5 seconds MX-M904: 6.3 seconds
Serial copy	9,999 pages
Copy ratios	Same size: 1:1±0.8% AB type: 25%, 50%, 70%, 81%, 86%, 100%, 115%, 122%, 141%, 200%, 400%
Zoom	25 – 400% (25 – 200% for DSPF)
Preset magnification ratio	4 (Reduction 2/ Enlargement 2)
XY zoom	Yes
Auto ratio calculation	The copy ratio is automatically calculated by specifying the original size and copy size manually. (Selected from standard sizes/Input directly)
Exposure mode	Automatic Text, Text/Printed photo, Printed photo, Text/Photo, Photo, Map. Pale-colour document
Manual levels	9 levels
Toner save mode	Sim setting: 3 steps
Copy style	1-sided > 1-sided 1-sided > 2-sided, 2-sided > 2-sided, 2-sided > 1-sided: Capable of rotating the orientation of the paper by 180 degrees when the paper is reversed.)
Auto calibration	Yes
Registration adjustment	No
Automatic paper selection	Yes {Mixed size original (Same width/ Different width) supported}
Automatic magnification selection	Yes {Mixed size original (Same width/ Different width) supported}
Paper type select	Yes: Type setting allowed
Auto tray switching	Yes
Rotated copy	Yes Large rotated copy exceeding A4 supported Supported rotated copy on APS/AMS OFF.
Electronic sort	Yes
Job reservation	Yes (99)
Auto selection setting of tray that is supplied the paper	Yes
Preview function	Yes
Notification sound of finished copy job	Yes (Support by soft-SW)
Stop copy when no original	Yes (Support by soft-SW)
Program call / registration.	Yes (48, preset 1)
Program name / registration	Yes
Bypass tray paper type registration	Yes

Copy Special Function		
Multi shot	Layout	2 in 1, 4 in 1, 8 in 1
	Multi shot except for first page	Yes
	Combination of pamphlet style	Yes (2 in 1/ 4 in 1 only.)
	Borderline printing	Yes
	Centering	Yes
	Page printing per original page	Yes
Margin shift		Yes (Right/ Left/ Upper)
Erase	Edge	Yes
	Centre	Yes
	Edge + Centre	Yes
	Side	Yes
	Reverse erase position of back face	Yes
Pamphlet copy		Yes
	Covers	Yes
	Trim width adjustment for inner trimmer	Yes
Separation insertion	Between sets	Yes
	Between jobs	Yes
Cover/inserts	Cover/ Back cover/ Inserts	Yes
	Maximum number of setting insert sheet types	11
	Maximum number of insert sheets	100
	Combination with Z-folding	Yes
	Tab paper insertion	Yes
	Combination with Tab Copy	Yes
	Continuous insertion of covers/ inserts	Yes
	Insertion just before back cover	Yes
Transparency inserts		Yes (inserted paper is automatically selected.)
Blank page skip	Blank page	Yes
	Blank + Back shadow	Yes
	Combination with copy from document glass	Yes
Card shot		Yes
Position image		Yes
Tab copy		Yes
Dual page copy		Yes
Book copy		Yes
Book divide		Yes
Stamp	Date print	Yes
	Text print	Yes
	Stamp	Yes
	Page number print	Yes
	Watermark	Yes
Custom image	Custom stamp	Yes
	Custom watermark	Yes
Hidden pattern print		Yes (black pattern only) (in combination with document control)
Repeat layout	Auto	Yes (indeterminate size and photo repeat)
	Fixed repeat (Auto ratio calculation)	Yes
	Photo repeat	Yes

Image edit	Multi-page enlargement	Yes Crop mark printing supported. Support enlargement from A type to B type / B type to A type.
	Mirror image	Yes
	Full bleed copy	Yes
	Centering	Yes
	B/W reverse	Yes (UK: not supported)
Job build		Yes (setting change items of each bunch)
Tandem copy		Yes (via network)
Proof copy		Yes
Original count		Yes
Mixed size original		Yes (same width + different width) can be combined with the AMS/ APS function.
Slow scan		Yes
Toner save mode		Yes mode 1-3
Suppress background		Yes
Quick file		Yes
Filing		Yes
Reverse copy		Yes
Document control		Yes (when the Data security kit is installed.)
Track information print		Yes
Print and send		Yes

Printer Functions			
Supported Windows OS	Windows XP / Server 2003 / Server 2003 x64 / XP x64 / Server 2008/ Server2008 x64/ Vista / Vista x64/ Windows 7/ Windows 7 x64		
	X10.4.11/ X10.5 - 10.5.8/ X 10.6. – 10.6.8/ X 10.7 - 10.7.2		
Printer Functions	**Content**	**PCL**	**PS3**
Multiple pamphlet	Binds multiple pamphlet outputs into a single booklet.	Yes	Yes
Network tandem print	Two units connected via network can be used simultaneously for printing.	Yes	Yes (Windows only)
Windows Cluster Print	When a Windows server breaks down, a mirror server takes over and executes the suspended print job. There may be colour differences between machine types	Yes	Yes (Windows only)
ROPM	The function enables the printout of a multiple number of copies in one RIP processing.	Yes	Yes
Multi-access	RIP processing must be allowed during printing. Printing must also be allowed during scanning.	Yes	Yes
Paper direction setting for 2-sided printing of Letter head paper and pre-punched paper. (Logo paper print supported (SEGA AOK Corporation)	Pages with front-back attribute such as Letterhead or punch paper are to be printed correctly in front-back page order for 2-sided printing.	Yes	Yes
Enable selected paper Type/Size in bypass tray	For setting of Bypass tray, even if the setup values on the main unit side do not match with those on the driver side, the printing will be executed in the setting of the driver regardless of the setup values on the main unit side.	Yes	Yes
Control of setting under terminal service environment	Print setting of each client is memorized under terminal service of server OS environment. (Setup for each log-in can be skipped.)	Yes	Yes
Control of setting under Citrix product environment	Print setting of each client is memorized under terminal service of server OS and Citrix Xen App (Presentation Server4.5, Xen App 5.0) environment. (Setup for each log-in can be skipped.)	Yes	No
Driver delivery function	SRDM allows the administrator to deliver a driver to clients. Or enables delivery installation by using MSI.	Yes	Yes
Form overlay	The function downloads a form to the main unit beforehand, sends the contained data only, and inserts the data into the form in the main unit for printout.	No	Yes
Planet Press	Object Lune Corporation's Planet Press (Software to execute the mapping of forms (DL beforehand) and variable data in the printer interior)	Yes	Yes
Bonjour for Macintosh environment	This technology detects and connects peripheral equipment on the network automatically. The dynamic network connection (computer, peripheral equipment and software) is possible without user setting.	No	Yes
Document control	Print the document with a fixed pattern to avoid illegal copy.	Yes (When DSK is installed.)	Yes (When DSK is installed.)
Object judgment (screen change / colour change)	In the printer colour mode output, object of image data (area of photograph / graphic text) is judged. Print screen (resolution) and profile (colour) are changed automatically.	Yes	Yes
Chapter inserts	Insert blank page automatically to entering 1st page of each chapter to odd page.	Yes	No

Expansion of margin shift	In the current model, the margin shift width setting value can be changed per 10 mm. Change from 10 mm to 1mm. When margin shift is set, it will not be cut off when it is shifted.	Yes	Yes
Saddle staple support	In the current model, imposition of images and stapling are performed in saddle stitch printing. However imposition is sometimes already performed in the application etc. Therefore, the specification of saddle staple only is added.	Yes	Yes
A3 wide saddle staple support	Saddle stitch of A3 wide paper is available. This is the function to make pamphlet which is A3 full size by cutting A3 wide paper in off-line.	Yes	Yes
A3 data one page	Saddle stitch of pre-imposed A3 data in A3W sheet.	Yes	Yes
A4 data two pages	Saddle stitch of two-page A4 data in A3W sheet without space between them.	Yes	No
WSD support	Discovery function for printer.	Yes	Yes (for windows)
90 degrees rotation function	Even if paper is set to different direction, print with 90 degrees image rotation automatically when printing image is matched to paper size. (However, cannot change direction during job)	Yes (Rotation is made by MFP)	Yes (Rotation is made by MFP)
Spool display	Show jobs that will be spooled in HDD before ripping printer jobs.	Yes	Yes
Hidden pattern print	When printing confidential documents, print copy controlled characters such as "Copy prohibition" as hidden pattern behind the original.	Yes	No
Job cancel at Auto job control review	User can cancel the job at Auto job control review dialog.	Yes	Yes
A0 & A1 fit page	Print A0 & A1 data into A4 or Letter size.	Yes	No
Page interleave	This function is used to interleave each printed page with an identical insert page. To use this function, it's necessary to use the "Overlay" function to prepare an insert page file.	Yes	No
Use driver to render JPEGs	In case of having JPEG image in the original document, user can select whether printer driver or MFP to render JPEG image.	Yes	Yes
Print position	This function is to adjust print position of odd and even page of document separately. (adjust per 1 mm)	Yes	No
Expansion of N-up printing	For example, in the case of 5 page documents, normal print only 1st page, and remaining pages are N-up printing. (can be 2-sided.)	Yes	No
N-up support when pamphlet print	For example, print presentation documents by 2-up and pamphlet layout.	Yes	Yes
Repeat printing of indeterminate size	Repeat indeterminate size original with automatic reduction.	Yes	No
Print policy	To limit operation by user level, function to turn on some items is mandatory. Refer below on the item which is limited. Design consideration can support additional demand.	Yes	No
Always use user authentication	This function enforces print users to execute user authentication.	Yes	No
Force retention	This function enforces print users to use retention function.	Yes	No
Windows login name acquisition	This function applies Windows login name info to printer driver login name.	Yes	Yes
Toner save mode	Toner save mode (1 step) (3 steps: separately supported by driver)	Yes	Yes

Sharpness	This is used to sharpen an image or make it softer. 5 steps (sharp: 2 steps, soft: 2 steps)	Yes	Yes
Custom image	Custom image can be registered and stored into MFP through printer driver.	Yes	No
Function flow 'lite'	Print + Send feature. "Send" can be specified by printer driver.	Yes	No
Lot4 support	Duplex setting is default when printing. And do not pass through duplex path for one page job. (For EU only)	Yes	No
Trimming width adjustment	Trimming width by the trimmer is adjustable for saddle stitching and saddle folding.	Yes	Yes
Expand maximum paper insertion	Expand maximum paper of Insertion as front cover / back cover/ insert sheet to 1,000 pages.	Yes	Yes
Continuous Insertion	Possible to insertion of Front cover / back cover / insert sheet continuously.	Yes	Yes
Insert sheet just before back cover	Enable to insert sheet just before back cover.	Yes	Yes
Insert separation sheet	Insert separation sheet between jobs and sets	Yes	Yes

Direct Print			
	Communication method		Operation
1	FTP	Pull print	Print requests can be made from the operation panel by accessing the FTP server and selecting a file.
2		Push print	Print requests can be made using the FTP client software by sending print job from the client PC to the MFP.
3	Web page	Push print	Print requests can be made to the MFP by referring data in the client PC from the [Submit Print Job] on the WEB page.
4	Email	Push print	Print requests can be made by sending data from the client PC to the MFP by attaching them to an e-mail. The body of e-mails can include print setting commands.
5	USB memory	Pull print	Print requests can be made by connecting an USB memory with the MFP and selecting a file in the memory device from the operation panel.
6	SMB	Pull print	Print requests can be made from the operation panel by accessing the network folder and selecting a file.

Supported File Format	
File Type	Extension
TIFF	TIFF, TIF
JPEG	JFIF, JPE, JPEG, JPG
PCL	PCL, PRN, TXT
XPS	XPS (Need XPS expansion kit)
PDF, encrypted PDF, Compact PDF, PDF/A, Compact PDF/A	PDF
PS	PS, PRN
Other Features	
N-up printing when direct printing	N-up shall be available for Direct Print
Disabling setting of USB/SMB Direct printing	A setting for disabling USB/SMB Direct Print USB/SMB is added.
Glossy paper print for Direct print	Glossy paper print shall be selectable for Direct Print.
Paper tray settings for Direct Print	Paper trays shall be selectable for Direct Print.

Image Send Function	**Sub Mode**		
Scanner	Scan to E-mail/ Scan to FTP server*/ Scan to SMB*/ Scan to Desktop/ Scan to USB memory *Possible to hyperlink.		
Fax	-		
Internet Fax/ Direct SMTP	-		
Mode	Scanner	Internet Fax/Direct SMTP	Fax
File format	B/W: TIFF, PDF, PDF/A, Encrypted PDF, XPS Colour/Grayscale: Colour TIFF, JPEG, PDF, PDF/A-1b, Encrypted PDF, Compact PDF (with MX-EB11 installed), XPS	B/W: TIFF-FX (TIFF-F / TIFF-S) Colour/Grayscale: TIFF-C	---
Image Processing			
Mode	Scanner	Internet Fax/Direct SMTP	Fax
Original scanning colour	Full colour, Grayscale Black-white	Black-white	
Auto colour selection	Yes	---	
Halftone reproduction	Equivalent to 256 steps		
Exposure adjustment	Auto Manual: 5 levels		
*Original type (can be selected when "Manual" is set) - Text / Printed photo - Text / Photo – Text - Photo - Printed photo - Map			
Magical scan (Area division + Suppress Background)	Yes	---	
Selection of image quality	---	Half tone (Black-white only) ON/OFF	
Resolution (depends on file format / transmission method)	100 x 100 dpi	200 x 100 dpi (Half tone not allowed)	Standard (203.2 x 97.8 dpi) (Halftone not allowed)
	150 x 150 dpi	---	---
	200 x 200 dpi	200 x 200 dpi	Fine (203.2 x195.6 dpi)
	300 x 300 dpi	200 x 400 dpi	Super fine (203.2 x 391 dpi)
	400 x 400 dpi	400 x 400 dpi	Ultra fine (406.4 x 391 dpi)
	600 x 600 dpi	600 x 600 dpi	---
Moire reduction mode	Sharpness is the same as this function.	---	
CPT (notes) security)	Yes	---	

Specification of Addresses			
Mode	Scanner	Internet Fax/Direct SMTP	Fax
Address registration	• One-touch • Group key • Direct entry • Selection from LDAP server <Direct address setting mode> (From operation panel/ send history/ Web page) • e-mail • Internet Fax • Direct SMTP • FTP (From Web page only) • Desktop (From Web page or NST) • Fax • SMB		
Setting of default address	Yes	---	
Scan to Me	Yes	---	
My address	Yes		
Resend	Call up nearest 50 addresses sent or order of transmission frequent as a single destination. Possible to select the destination from all the sending history including FTP, Desktop, and SMB.		
Number of one-touch key registration	Total: 2,000 addresses		
Number of Group (1 key) address registration	Number of Group (1 key) address registration: max. 500 Number of Group key registration of direct entry: 6,000 (Total address number included in 2,000 key)		
Address book registration in the sending history screen	Yes		
Speed Dial (Quick key)	Yes (Call by inputting a registration number from the 10-key pad)		
Program	48 (Group/Individual) + 1 program preset		
Chain Dial	---		Yes (by Pause key)
Destination confirmation	---		Yes (Available when broadcasting to destinations including Individuals.)
CC / BCC sending	Yes	---	
Specification of Multiple Addresses			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Broadcast	Yes (E-mail/ FTP/ Desktop/ SMB) (500 destinations)		
Sequential broadcast Transmission request	---		Yes
Deleting addresses from groups that have been already registered	Yes		

Settings to Disable Address Specification/ Registration			
Disable registering destination from operation panel	Yes		
Disable registration destination on Web page	Yes		
Disable registration using the network scanner tool	Yes	---	
Disable [resend] on Fax/Image Send mode	Yes		
Disable selection from the address book	Yes		
Disable direct entry	Yes		
Disable broadcast setting	---		Yes
Disabling PC-Internet FAX / PC-Fax sending	---	Yes	

Sending Information			
Mode	Scanner	Internet Fax/Direct SMTP	Fax
Subject	• Select from the list • Direct entry (80 one-byte/two-byte character, Number of list: 30)		---
File name	• Select from the list (Available when saving in external memory device.) • Match the subject • Direct entry (80 one-byte/two-byte character, Number of list: 30)		---
Transmission message (message body)	Yes		---
Transmission message selection	• Select from the list • Direct entry		---
Number of letters of transmission message	Up to 1,800 one-byte character (900 two-byte character)		---
Preset mail footer	Yes Function to set up a text message that will be added automatically to the message body upon e-mail transmission. Editing upon transmission is not allowed.		---
Reply-to	Select from list Direct entry Select from LDAP server	--- (1 name is fixed as the sender name.)	---
Reply-to registration	1,000 (User registration from Web)	---	---
Sender registration	---	1 sender (up to 20 characters): Only one sender is registered, and i-Fax/Fax addresses or phone numbers are registered in the name part. (40 characters in half size is available by soft switch setting)	

Transmission Function			
	Scanner	Internet Fax/ Direct SMTP	Fax
Original size input	Yes		
Original size registration	Yes (Postcard and photo (L size) can be handled on the document glass.		
Custom size input	Yes		
Long original transmission	Yes Max 1,000 mm (1-sided/ Mono-2 levels)		
Memory transmission	Yes (Max. 100 in total)		
Speaker	---		Yes
Quick online transmission	---		Yes
Direct transmission (Switching: Memory transmission <-> Direct transmission	---		Yes
Special Function			
Job build	Yes		
Slow scan mode	Yes		
Mixed size original	Yes		
Original count (Both OC and DF)	Yes		
Erase (Edge/Edge+ Centre/Centre/Side)	Yes		
Dual page scan	Yes		
Book divide	Yes		
Card shot	Yes (Ratio 63-400%)		
Timer transmission	Yes		
Own number sending	---	Yes	
Transaction report	---	Yes	
Memory box table	---		Yes
Suppress Background	Yes	---	
Blank page skip (Both DF and OC)	Yes		
Drop-out colour	Yes (Text/ Mono-2 level only)	---	
Sharpness	Yes (5 steps)	---	
Contrast	Yes (5 steps)	---	
Filing	Yes		
Quick File	Yes		
Multi shot	---	Yes	
Verification stamp	Yes		
Preview	Yes		
Polling reception	---		Yes

Other Transmission Functions				
Mode		Scanner	Internet Fax/Direct SMTP	Fax
Auto reduction sending		---		Yes
Rotation sending		---	Yes	
Zoom transmission		Yes. Enlargement/reduction is allowed only from a fixed size		
Own name select		---		Up to 18 characters
Own number sending			Yes	
Page number print		---	Yes	
Date print		---	Yes (Date description can be switched)	
Recall mode		---	i-FAX: Only the number of times is set. DSMTP: The number of times/time is set in the system settings.	Yes
	Error	---	Yes	
	Busy	---	Yes (D-SMTP)	Yes
Change of the number of pages for each file		Yes	---	
Restriction of transmission size		Yes	Yes (Direct SMTP)	
Reception report		Yes	Yes Time-out 1 min.-240 hours Set by 1min. (Direct SMTP : No)	
Deleting the sending history		Yes (The sending history to be deleted is for resending in the normal mode. The addresses in the sending history can be deleted both individually or all.)		

Reception Function			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Automatic reception	---	Yes	
Manual reception	---	Yes (Direct SMTP: No)	
Switching from manual reception to auto reception	---		Yes (SEF only)
Fixed size reduced reception	---	Yes	
Fixed size reception	---	Yes (Soft-SW support)	---
Rotated reception	---	Yes	
Setting of received data print condition	---		Yes
2-sided copy reception	---	Yes	
Multi shot (2 in 1) reception	---	Support separately	
A3 auto reduction print (for the area using Inch system)	---	Yes	
Letter size auto reduction print (for the area using AB system)	---	Yes	
Received data bypass output	---	Yes	
Body text print select printing	---	Yes	---
Output tray setting	---	Yes	

Reception Function			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Print number setting of received data	---		Yes
Staple setting of received data	---		Yes
Footprint	---	Yes	

Other Reception Function			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Allowing Address/Domain setting reception	---	Yes (50 addresses)	---
Rejecting Address/Domain setting reception	---	Yes (50 addresses)	---
Allowing reception from a specific number	---		Only specific number (50/20-digits)
Rejecting reception from a specific number	---		Only specific number (50/20-digits)
Rejecting reception from FAX without number	---		Yes (Soft SW)
External phone connection remote	---		Yes
Timer output	---	Yes	
Received data bypass output	---	Yes	
Reception confirmation cycle setting	---	Yes (Direct SMTP: No) (Setting by 0-8 hours/each minute)	---
POP3 communications timeout setting	---	Yes (Direct SMTP: No) (Setting by 30-300/ every 30 seconds)	---
Data forwarding in case of trouble of output	---	Yes	
Auto wake up print	---	Yes	
Alternative reception number	---	400 (Total of Internet Fax and Fax)	
Inbound Routing (Forwarding received data of Internet Fax)	---	Yes	
Formats	---	PDF, Single TIFF, Multi TIFF, XPS	
Destinations		E-mail, FTP, SMB, Desktop, Fax, Internet-Fax	
PDF creation for PC browsing when storing in the HDD	---	Yes	
File name setting when inbound routing (Attached TSI information)	---	Yes	
The sender name is added to the inbounding file name	---	Support separately	

Other Reception Function				
Mode		Scanner	Internet Fax Direct SMTP	Fax
	Information about the MFP that transfers the data is added to the transferred data	---	Yes	
	Timetable	---	Yes	
	Inbound routing by line type	---	Yes	
	Alternative mode for destination error	---	Yes	
	Easy switching destination of inbound routing	---	Yes	
Hold setting for Received Data Print ALL RX data into the memory regardless		---	Yes	
Image check (Preview)		---	Yes	
	Forwarding from preview	---	Yes	
	Filing to HDD from preview	---	Yes	
	Registered to junk FAX from preview	---		Yes
	Print/ Forwarding of specified page	---	Yes	
Output only specified FAX number		---	Yes	

Other Functions			
	Scanner	Internet Fax Direct SMTP	Fax
Polling protection	---		Yes
Pass code number setting	---		Yes (10-digit/ 20-digit)
Polling memory	---		Yes 100 memory boxes can be registered for Polling Memory, Confidential and Relay Broadcast in all (Public Box: 1). Setting the number of times the public box may be polled: once/unlimited number of times
Confidential transmission	---		Yes (F-code)
Relay broadcast transmission request	---		Yes (F-code)
Relay broadcast Transmission (Fax to e-mail/ Internet Fax/ Fax (F-code))*	---		Yes Fax to email/ Internet Fax/ Fax (F-code)
Number of texts that can register in the memory box	---		Up to 18 characters in full and half size

Transmission Method			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Transmission time	---		2 seconds level (super G3 / JBIG) 6 seconds level (G3 ECM)
Modem speed	---		33.6 kbps -> 2.4 kbps Auto-fallback
Intercommunication	---		Super G3 / G3
Communication line	---		General line (PSTN), Independent business line (PBX), F-Net SEGA: R-key for PBX sending
ECM	---		Yes
Support digital network net (sending level)	---		Yes

Record Size			
Mode	Scanner	Internet Fax Direct SMTP	Fax
Maximum record width	---	293 mm	
Record size	---	A3 - A5, 11 x 17 - 5.5 x 8.5	

PC-Fax / PC- I-Fax Functions			
Interface	USB 2.0 10Base-T, 100Base-TX, 1000Base-T		
Communications protocol	LPR/lp, Port9100(RAW), IPP, USB2.0		
PC-Fax Send	Yes (with Fax equipped) Maximum of 64 digits for Fax number (including sub-address and pass code)		
PC-Internet Fax Send	Yes (Necessary options: I-Fax expansion kit) Maximum of 64 digits for I-Fax address		
Resolution	200 x 100 dpi/ 200 x 200 dpi/ 200 x 400 dpi/ 400 x 400 dpi/ 600 x 600 dpi		
Transmission original sizes	A3 / B4 / A4 / A5 / B5 / 8k / 16k		
Compression method	MH / MMR		
Broadcast transmission	Yes (mix of Fax and i-Fax is available. Max. destination: 500)		
F code transmission	Yes	Sub-address	Yes, Up to 20 digits
		Pass code	Yes, Up to 20 digits
Phone book registration / transmission function	Yes		
Attach cover sheet function (possible to use cover sheet made by application.)	Yes (Not allowed for broadcast transmission)		
Create cover sheets function	Yes (Entering address when direct entry)		
Own number send	Yes		
Preview function	Yes		
Transmission confirmation (Notice to PC by NJR)	Yes		
Document filing function	Filing	Yes	
	Quick File	Yes	
PC-Fax Transmission log	Yes (Retransmission allowed. Provided on a case-by-case basis.)		
User authentication	Yes		
Timer	Yes		
R-KEY (SEEG only)	Yes		
Importing MFP's address book	Yes (Import from address book editor)		
Getting MFP's address book via network	Yes		

Configurations

■ Options List

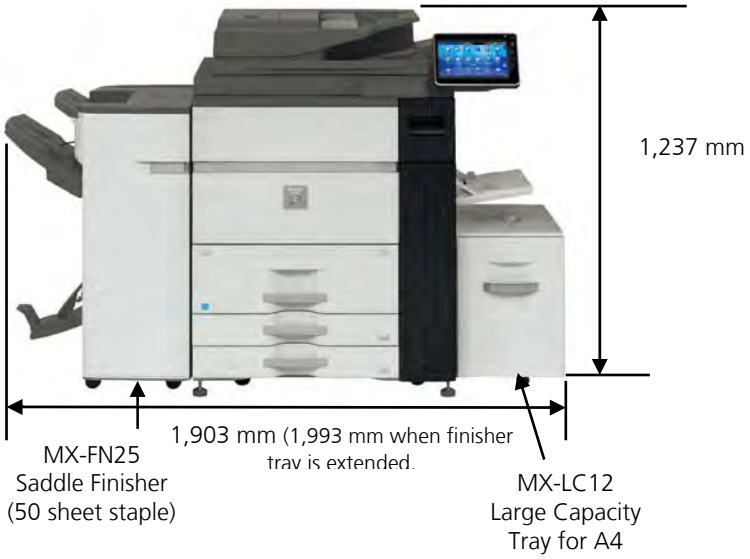
Model Name	Description	MX-M904	MX-M1254 MX-M1054	Remark
MX-LC12	Large capacity tray (A4)	Opt		Cannot be installed with MX-LCX3N or MX-LC13 MX-MFX1 is required.
MX-LCX3N	Large capacity tray (A3)	Opt	N/A	Cannot be installed with MX-LC12 or MX-LC13 MX-MFX1 is required.
MX-LC13	Large capacity tray (2 drawers)	Opt		Cannot be installed with MX-LC12, MX-LCX3N or MX-MFX1 MX-RB16 is required.
MX-MF11	Multi bypass tray	Opt		For MX-LC13
MX-MFX1	Multi bypass tray	Opt.		For main machine. Mandatory if not installing MX-LC13.
MX-RB13	Relay unit	Opt		Between 100 sheet Finisher and Inserter. Must be installed if Mx-FD10 not required.
MX-RB16	Paper pass unit	Opt		Between machine and MX-LC13
MX-RB17	Connection module	Opt		Required if 2 x MX-LC13's are installed.
MX-RB18	Curl correction module	Opt		Mandatory if MX-FN21 or MX-FN22 is installed.
MX-FN21	Finisher (100-sheet staple)	Opt		Can not be installed with other finishing unit. MX-RB18 is required.
MX-FN22	Saddle stitch finisher (100-sheet staple)	Opt		Can not be installed with other finishing unit. MX-RB18 is required.
MX-PN13A/C/D	Punch module (A: 2, C: 4, D: 4 wide)	Opt		MX-FN21or MX-FN22 is required.
MX-FN24	Finisher (50-sheet staple)	Opt	N/A	Cannot be installed with MX-FN25. Not available for MX-M1204 & MX-M1054
MX-FN25	Saddle stitch finisher (50-sheet staple)	Opt	N/A	Cannot be installed with MX-FN24. Not available for MX-M1204 & MX-M1054.
MX-PNX4A/C/D	Punch module (A: 2, C: 4, D: 4 wide)	Opt	N/A	MX-FN24 or MX-FN25 is required.
MX-TM10	Trimming module	Opt		Can only be installed with MX-FN22
MX-CF11	Inserter (200-sheet x 2 bin)	Opt		MX-RB18 is required.
MX-FD10	Folding unit	Opt		Can only be installed with MX-FN21 or MX-FN22
MX-ST10	High capacity stacker	Opt		MX-RB18 is required.
MX-CA10	Paper cart	Opt		
MX-PUX1	XPS expansion kit	Opt		

Model Name	Description	MX-M904	MX-M1254 MX-M1054	Remark
MX-EB11	Enhanced compression kit	Opt		
MX-EB15	Mirroring kit	Opt		
MX-FX11	Facsimile expansion kit	Opt		
AR-SU1	Stamp unit	Opt		
MX-FWX1	Internet-FAX expansion kit	Opt		
MX-AMX1	Application integration module	Opt		
MX-AMX2	Application communication module	Opt		
MX-AMX3	External account module	Opt		
MX-FR38U	Data security kit Commercial version	Opt		
MX-PF10	Barcode font kit	Opt		
MX-AM10	Web browsing expansion kit	Opt		
MX-KB13	Retractable keyboard	Opt		
MX-SL10	Status indicator	Opt		
MX-USX1/USX5	Sharpdesk ver. 3.3 1/5-License kit	Opt.		
MX-US10/US50	Sharpdesk ver. 3.3 10/50-License kit	Opt.		
MX-USA0	Sharpdesk ver. 3.3 100 License kit	Opt.		
MX-UN01A/05A	Sharp OSA Network Scanner Tool 1/5-License kit	Opt.		MX-AMX2 is required.
MX-UN10A/50A	Sharp OSA Network Scanner Tool 10/50-License kit	Opt.		MX-AMX2 is required.
MX-UN1HA	Sharp OSA Network Scanner Tool 100 License kit	Opt.		MX-AMX2 is required.
MX-GB50	GBC Stream punch unit	Opt.		MX-FN21 or MX-FN22 is required. MX-RB13 is required.
MX-BM50	Booklet maker (Plockmatic)	Opt.		MX-FN21 is required.

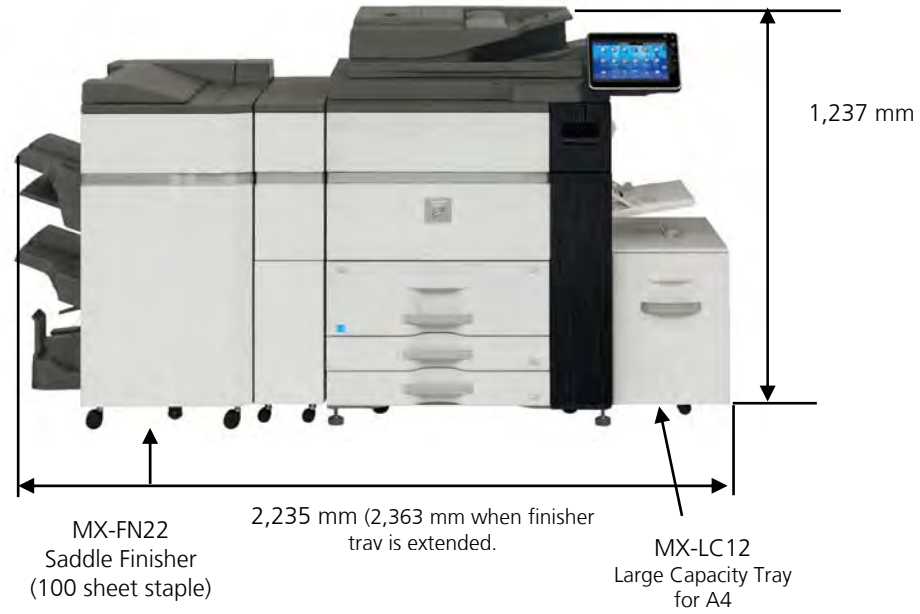
■ Outer Dimensions

<Main Unit: All models>

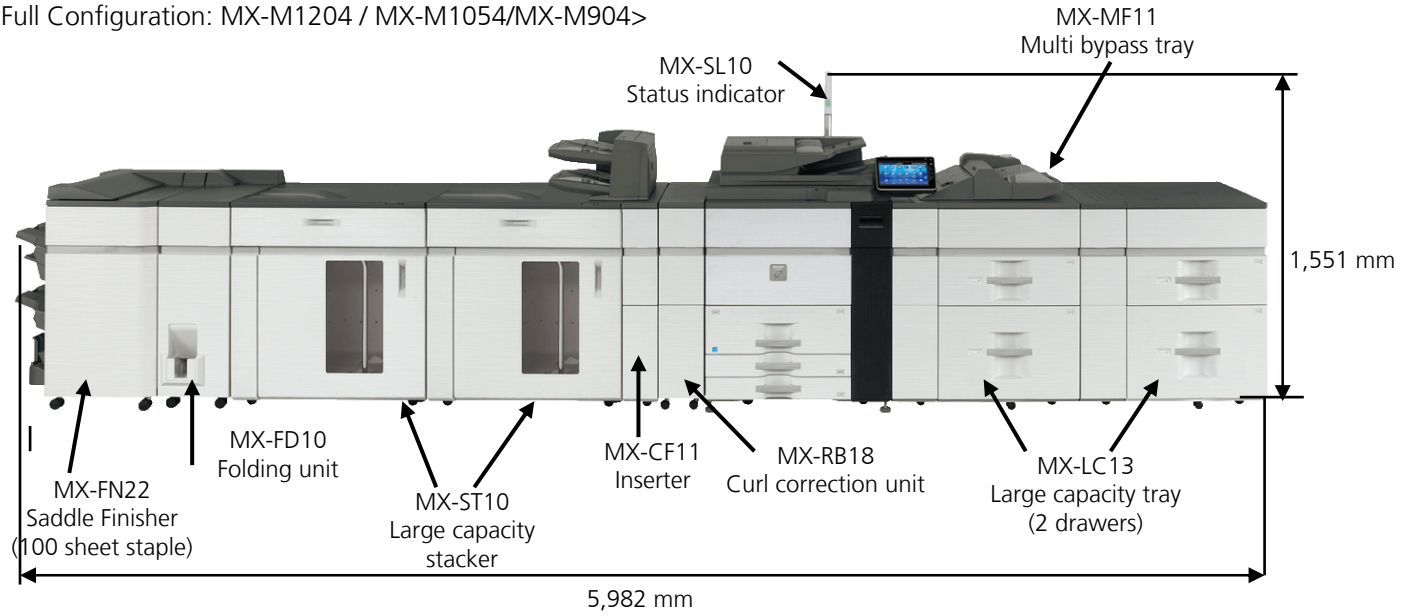
<MX-M904+ A4LCC>



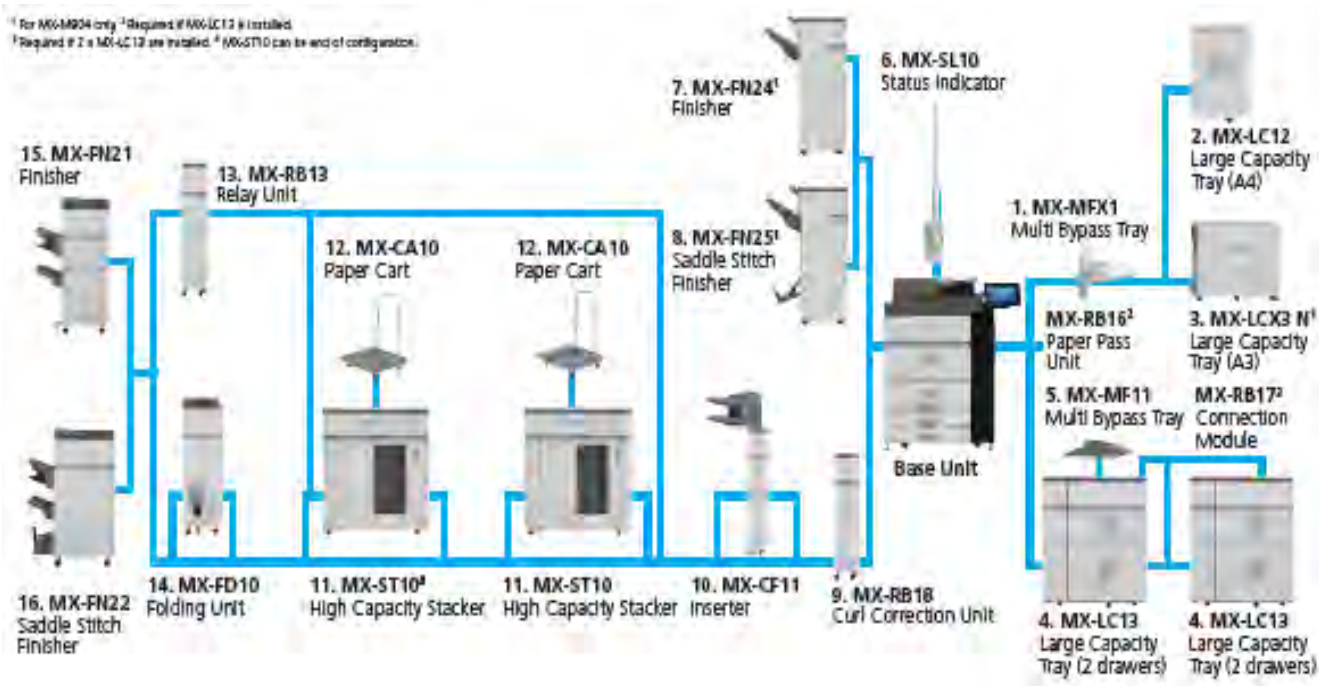
<Main unit + A4 LCC + Curl correction unit + Saddle Finisher>



<Full Configuration: MX-M1204 / MX-M1054/MX-M904>



■ Configurations Diagram



■ Configuration Examples

MX-M904

- A4, A3 and A3W paper handling
- A5R – A3W and 300 g/m^2 bypass tray
- 3,100-sheet paper capacity
- 3,250-sheet finisher
- 50-sheet stapling
- 2 or 4 hole punching

.

MX-M904

- A4, A3 and A3W paper handling
- A5R – A3W and 300 g/m^2 via bypass tray
- 6,100-sheet paper capacity
- 2,250-sheet finisher
- 50 sheet-stapling
- 2 or 4 hole punching

MX-M1204/MX-M1054/MX-M904

- A4, A3 and A3W paper handling
- A5R – A3W and 300 g/m^2 via bypass tray
- 6,600-sheet paper capacity
- 4,000-sheet finisher
- 100-sheet stapling
- 2 or 4 hole punching
- Curl Correction

MX-M1204/MX-M1054/MX-M904

- A4, A3 and SRA3 paper handling
- 8,500 paper capacity
- 4,000-sheet finisher
- 100-sheet stapling
- 20-sheet booklets
- Status Indicator
- Inline trimming
- Inserter
- Curl correction

MX-M1204/MX-M1054/MX-M904

- A4, A3 and SRA3 paper handling
- 8,500-sheet paper capacity
- Status indicator
- Curl Correction
- High Capacity Stacker for 5,000 sheets plus cart

MX-M1204/MX-M1054/MX-M904

- A4, A3 and SRA3 paper handling
- 8,500-sheet paper capacity
- 4,000-sheet finisher
- 100-sheet stapling
- 20-sheet booklets
- Status indicator
- Inline trimming
- Inserter
- Curl Correction
- High Capacity Stacker for 5,000 sheets plus cart
- Various folding options

MX-M1204/MX-M1054/MX-M904

- A4, A3 and SRA3 paper handling
- 13,500-sheet paper capacity
- 4,000-sheet finisher
- 100-sheet stapling
- 20-sheet booklets
- Status indicator
- Inline trimming
- Inserter
- Curl Correction
- High Capacity Stackers for 10,000 sheets plus carts
- Various folding options

■ Power Requirements

	Europe		
	90ppm	105ppm	120ppm
Voltage	220-240V/10A 220-240V/2A	220-240V/13A UK requires 16amp RCD	220-240V/13A UK requires 16amp RCD
Frequency	50/60Hz	50/60Hz	50/60Hz
Power Cord	Direct Connection x 1 Inlet Type x 1 (For Options)	Direct Connection x 1	Direct Connection x 1

MX-M904 / MX-M1054 / MX-M1204 Full Configuration

MX-M904 + MX-FN24/25 + MX-LC12/LCX3N

1 x Main Unit (Direct Connection) + 1 x Inlet Type (for options)

Important Note: DO NOT use extension cables and plug multiple plugs into 1 breaker. MX-LC13, MX-ST10 & MX-FN21/22 should be plugged into separate breakers to the machine. Failure to observe these recommendations could lead to permanent damage of the device.

■ Functional Combinations

	Copy	PCL Printing	PS Printing	XPS Printing	Fax	I-Fax	Scan	Filing	Security	Sharp OSA
MX-M904 MX-M1054 MX-M1204	√	√	√	√	√	√	√	√	√	√
MX-PUX1				√						
MX-EB11 (only for compact PDF)							√ (Colour scan only)			
MX-FX11					√					
MX-FWX1						√				
MX-FR38U									√	
MX-AMX2/3										√

√: required

Installation Reference Guide

Options	Installation/Soft Keys
MX-PUX1: XPS Expansion Kit	Soft key has to be input for activation.
MX-FX11: Fax Expansion Kit	Install external box by using parts for mounting.
MX-FWX1: Internet Fax Expansion Kit	Soft key has to be input for activation.
MX-PF10: Barcode font kit	Soft key has to be input for activation.
MX-FR38U: Data Security Kit	Replace flash ROM physically and install the Document control board. (Download from USB memory.) Then soft key has to be input for activation.

■ Mandatory Options

Paper Input

Style	Option Name
When LCT (MX-LCX3 N or MX-LC12) is installed	Multi bypass tray (MX-MFX1) A3 Large Capacity Tray (MX-LCX3 N) or A4 Large Capacity Tray (MX-LC12) Note: MX-LCX3 N for MX-M904 only
When a LCT (MX-LC13) are installed.	Large capacity trays (MX-LC13) Paper pass module (MX-RB16)
When two LCT (MX-LC13) are installed.	Two large capacity trays (MX-LC13) Paper pass module (MX-RB16) Connection module (MX-RB17)

Paper Output

Style	Option Name
When Finisher (100-sheet staple: MX-FN21 or MX-FN22) is installed.	Finisher (MX-FN21) or Saddle finisher (MX-FN22) Curl correction unit (MX-RB18)
When High Capacity Stacker (MX-ST10) is installed.	High capacity stacker (MX-ST10) Curl correction unit (MX-RB18)
When Finisher (100-sheet staple: MX-FN21 or MX-FN22) and Inserter (MX-CF11) are installed.	Finisher (MX-FN21) or Saddle finisher (MX-FN22) Relay unit (MX-RB13) or Multi-Folding Unit (MX-FD10) Inserter (MX-CF11) Curl correction unit (MX-RB18)
When High Capacity Stacker (MX-ST10) is connected to Finisher (100-sheet staple: MX-FN21 or MX-FN22)	Finisher (MX-FN21) or Saddle finisher (MX-FN22) Relay unit (MX-RB13) or Multi-Folding Unit (MX-FD10) High capacity stacker (MX-ST10) Curl correction unit (MX-RB18)
When GBC Punch Unit is installed.	Finisher (MX-FN21) or Saddle finisher (MX-FN22) Relay unit (MX-RB13) GBC punch unit (locally prepared) Curl correction unit (MX-RB18) Note: 50-sheet staple finisher (MX-FN24/25) cannot be connected.
When Booklet Maker is installed.	Plockmatic booklet maker (locally prepared) Finisher (MX-FN21) Curl Correction Unit (MX-RB18) Note: Other Finisher (MX-FN22/FN24/FN25) cannot be connected.

■ Options

Model name	Contents	Qty	Life	Min. Order Qty	Remark
MX-900GT	Black toner cartridge	X1	120k	4	A4 6% coverage
MX-850GR	OPC drum	X1	1,000k	5	
MX-900GV	Developer	X1	1,000k	4	
MX-950KC	Fuser maintenance kit	X1	500k	10	
MX-950HK	Heat roller kit	X1	1,000k	5	
MX-950WC	Web cleaning kit	X1	500k	10	
MX-900MK	Main charger kit	X1	500k	10	
MX-900CB	Cleaning blade kit	X1	500k	10	
MX-900DK	Developer maintenance kit	X1	1,000k	10	
MX-900TT	Transfer belt kit	X1	1,000k	5	
MX-900PD	Paper dust removing unit	X1	500k	10	
MX-850HB	Waste toner bottle	X1	500k	5	
MX-900FL	Filter kit	X1	500k	10	
MX-900WU	Web cleaning unit	X1	-	1	
MX-900FU	Fusing unit (for 90 cpm)	X1	-	1	
MX-901FU	Fusing unit (for 105/120 cpm)	X1	-	1	
MX-850TU	Transfer unit	X1	500k	1	
AR-SC2	Staple cartridge	X3	5,000 times x 3	20	For MX-FN24 & MX-FN25
MX-SCX1	Staple cartridge	X3	5,000 times x 3	20	For MX-FN22
MX-SCX2	Staple cartridge	X3	5000 times x 3	12	For MX-FN21 & MX-FN22
MX-SCX3	Staple cartridge	X3	5000 times x 3	40	For MX-FN25
AR-SV1	Stamp cartridge	X2	-	20	For AR-SU1